AGRICULTURAL RESEARCH
POLICY ADVISORY COMMITTEE

FY 1975 Data Base of FOOD AND FOOD-RELATED RESEARCH

U.S. DEPARTMENT OF AGRICULTURE
AND NATIONAL ASSOCIATION OF STATE
UNIVERSITIES AND LAND GRANT COLLEGES

NOVEMBER, 1976

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ACKNOWLEDGEMENT

This report was generated as a result of follow-up activities to a 1975 Working Conference on Research to Meet U. S. and World Food Needs.

G. M. Browning, H. R. Fortmann, A. S. Johnson and R. J. McCracken comprised a special Land Grant University - USDA Work Group to Develop Base Data for Research Priorities Resulting from the 1975 Working Conference. This Work Group defined food and food-related research within the publicly-supported agricultural research system. J. R. Myers of the Current Research Information System (CRIS) served as consultant to the Work Group.

L. L. Jansen of the Agricultural Research Service and D. C. Unglesbee of CRIS made major contributions to the activities of the Work Group and to this report by helping to organize CRIS data within a classification system descriptive of food and food related research; developing the computer program, data printouts, and summary information; and assuring the completeness and accuracy of the data.

FOREWORD

Food is important to all people. It has become a topic with high national visibility from both a domestic viewpoint and in terms of our international interests.

Citizens have become conscious of and concerned about food availability, cost, nutritive quality, wholesomeness, wastefulness in use, safety, variety, and convenience. They have also become sensitive about environmental issues--the causes and consequences of pollution; and maintaining the natural resources--land (soil) and water--and providing the energy essential to meeting the Nation's food and fiber needs. Farmers have these same concerns but they are also confronted with the necessity of obtaining reasonable returns from investments and labor and management inputs. Those dealing with "balance of payments" including such things as ways to pay for foreign oil and other essential imports are concerned about maintaining adequate sales of agricultural commodities in international markets. And finally, everyone is concerned about the use of America's bounty to help feed the expanding population of the world.

The problems associated with food--quantity, quality and distribution--must be solved. The solutions will come primarily from new and improved knowledge and technology generated through research. These advances must then be applied to most effectively use our current production base. That is the hope for the future since there is no new golden west, no new prairie to put to the plow.

Food research is a vast, complex, many-faceted undertaking; not only in terms of organizations and scientific disciplines, but most particularly in terms of the array of problems involved. Even more than in the past there will need to be emphasis on effective identification of problems and research opportunities, determination of research priorities, coordination of related research activities and avoidance of unnecessary duplication of effort.

The United States has a large and effective publicly-supported agricultural research system. It is a vital national resource--the world's major food research undertaking. It represents the base from which to build as scientists in the system and those from other research organizations across the land are challenged to meet the needs of the future.

This report provides a comprehensive documentation of the nature and level of effort of food and food-related research conducted by USDA and Land Grant University research organizations. It should be useful to all individuals and organizations interested in such research and in understanding the base upon which future activities will be developed.

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EXECUTIVE SUMMARY

Food and food-related research within the publicly-supported agricultural research system is defined, identified and quantified herein for FY 1975. Fortunately, a complete and comprehensive inventory of all of this research is available within the Current Research Information System (CRIS). A computer program has been developed by which the food and food-related research may be printed out for other years to facilitate comparisons.

Food and food-related research conducted by the agricultural research system in FY 1975 was supported with $605.5 million and involved 7,750 scientist-years (SY's) of effort. This represented 73.5 and 72.2 percent, respectively, of total expenditures and SY's within that system.

Detailed information on food and food-related research is presented herein under five classification arrangements by performing organizations:

- By Commodity/Resource/Technology (Table I)
- By Activity & Activity Groups (Table II)
- By Commodities x Activities (Table III)
- By Activity x RPA's (Table IV)
- By Research Program Groups & Research Programs (Table V)

The following table is an overview organized by Research Program Groups:

FOOD & FOOD-RELATED RESEARCH BY RESEARCH PROGRAM GROUPS

Research Program Group 1/	Total Research		Food & Food-Related Research		% of Total Food & Food-Related	
	$ Mil	SY's	$ Mil	SY's	$ Mil	SY's
1.00 Nat. Res.	95.2	1313	75.8	1035	80	79
2.00 For. Res.	106.1	1387	12.4	137	12	10
3.00 Crops	258.7	3853	195.5	2961	76	77
4.00 Animals	162.1	1594	158.4	1560	98	98
5.00 People, Comm., etc.	67.0	1027	43.0	633	64	62
6.00 Comp., Trade, etc.	40.7	734	35.3	628	87	86
7.00-9.00 Gen., Unclass., etc.	93.7	824	85.0	796	90	97
TOTAL	823.5	10732	605.5	7750	74	72

1/ See Table V for complete titles.

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FOOD AND FOOD-RELATED RESEARCH CONDUCTED BY THE PUBLICLY-SUPPORTED AGRICULTURAL RESEARCH SYSTEM

This report documents food and food-related research conducted by the publicly-supported agricultural research system 1/ in FY 1975. In order that the report be most useful in providing base data for present and future food research planning, the general nature and classification of such research will be outlined. This process will define what "food and food-related research" is.

The compilation of food and food-related research in this report, represents a best estimate of the fiscal year 1975 support base. Data carried in the total Current Research Information System (CRIS) for FY 1975 were adjusted to (1) eliminate non-food commodities, (2) eliminate specifically designated non-food categories of research, or (3) reduce other selected categories by specified percentages. These "non-food" aspects represent the concensus of the work group which developed the FY 1974 data base for the Kansas City Conference follow-up.

Specific eliminations include the following: Commodities 0500 (Recreation Resources), 0600 (Trees, Forests), 1300 (Ornamentals and Turf), 2100 (Cotton), 2600 (Tobacco), 3700 (Clothing and Textiles), 4300 (Communities, Areas, and Regions, Organizations, Etc.); and within all other Commodities, Activities 5600 (Physical and Chemical Properties of Non-Food Products), and 5700 (Developing New and Improved Non-Food Products and Processes). Non-food aspects of all other Resources and Commodities other than Crops and Livestock were evaluated selectively.

The program for generating these data has been computerized by CRIS to facilitate future updating of the data base.

THE IDENTIFICATION AND CLASSIFICATION OF FOOD AND FOOD-RELATED RESEARCH

Establishment of a definition of food and food-related research is essential to the development of an inventory, to in-depth studies of research needs, and to research planning and coordination activities. A simplistic definition defines food and food-related research as all research with the direct or indirect objective of enhancing the production, processing, storage, distribution and use of food for human consumption. It involves an implicit recognition of present and future needs and making appropriate studies relative to providing the means to meet these needs.

1/ The publicly-supported agricultural research system involves research agencies of the U. S. Department of Agriculture, State agricultural experiment stations, Forestry schools and colleges of 1890.

Conceptualization of what is included under this definition and the interpretation which results from implementation of procedures to assemble an inventory of food and food-related research is best achieved by review of the classification utilized.

Details of the complete classification system of agricultural research are available in the "Manual of Classification of Agricultural and Forestry Research" (Revision II, Jan. 1973) U. S. Department of Agriculture.

This inventory of food and food-related research involves components of four of the classification dimensions:

(1) Commodities, Resources, or Technology Not Associated with Specific Commodities (Exhibit 1), (pgs. 43-50)

(2) Activity Groups and Activities (Exhibit 2), (pgs. 51-52)

(3) Research Problem Areas (RPA's) (Exhibit 4), (pgs. 55-58)

(4) Research Program Groups (RPG's) and Research Programs (RP's) (Figure 3), (pg. 71)

Exhibits 1, 2 and 4 include elements or combinations of elements which have been excluded, in whole or in part. These elements are indicated by an (X) -- preceding the code number. Exhibit 6 (pgs. 61-63) lists the non-food exclusions and shows the percentages excluded for each performing agency. The computer program utilizing the "exclusion percentages" is on file in CRIS so that data comparable to that in this document can be assembled for inventories of future as well as past publicly-supported research.

One additional dimension of the research classification system, Fields of Science (Exhibit 3), (pgs. 53-54), is useful in depicting the nature and diversity of food and food-related research in the publicly-supported agricultural research system.

All research projects conducted by the publicly-supported agricultural research system are recorded in CRIS. The research is documented with a completeness that exists for few, if any, other major kinds of research efforts.

The form on which the information on a research project is submitted with an example of the information from an actual project is shown as Exhibit 5, (pg. 59). The CRIS file of research projects is an active working file. New projects are being added and others are being terminated, essentially daily. The average number of active projects on file is about 18,700. Of this number, an average of 3,500 are terminated each year and replaced by new high priority projects.

The CRIS data file and the various kinds of inventories published each year provide a powerful tool for research management and research planning and coordination. New research proposals must indicate the nature and location of similar, parallel, related and complementary research efforts elsewhere. This is invaluable in avoiding unnecessary duplication of research effort. The various inventories such as those provided in this document are essential to analysis of relative level of effort by commodity, etc., and to planning a comprehensive research program.

THE PUBLICLY-SUPPORTED AGRICULTURAL RESEARCH SYSTEM

The following organizational list depicts the research units and the numbers of full-time scientist equivalents (expressed as scientist-years (SY's))1/ in each unit. These scientists represent a tremendous national resource which is maintained by the system as continuing permanent staff.

Performing Organization		Total Scientist-Years of Research in FY 1975
NASULGC		
56 State Agricultural Experiment Stations (SAES)		6,133
17 Colleges of 1890 & The Tuskegee Institute (OCI)		143
19 Forestry Schools (OCI)		143
92 NASULGC Subtotal		6,419
USDA		
Agricultural Research Service	(ARS)	2,909
Cooperative State Research Service	(CSRS)	-----
Economic Research Service	(ERS)	425
Farmer Cooperative Service	(FCS)	23
Forest Service	(FS)	941
Statistical Reporting Service	(SRS)	15
USDA Subtotal		4,313
Grand Total		10,732

The role, objectives and capabilities of the publicly-supported agricultural research system are described on pages 65-71.

1/ SY = The equivalent of one year of a full time research scientist who is professionally trained and bears responsibility for planning and carrying out research. For USDA this involves GS-11's and above in a professional scientific series. For universities it involves the ranks of Assistant Professor or above or equivalent.

LEVELS OF SUPPORT OF FOOD AND FOOD-RELATED RESEARCH

Food and food-related research conducted by the publicly-supported agricultural research system in FY 1975 was supported with $605.5 million and involved 7,750 Scientist-Years (SY's) of effort. This was about 72% of the total agricultural research program.

State Agricultural Experiment Stations (SAES) and Other Cooperating Institutions (OCI) conducted food and food-related research in FY 1975 with $402.5 million. Of this, $68.7 million was obtained through Federal appropriations under Hatch and McIntire-Stennis authorizations, administered by the Cooperative State Research Service (CSRS). The balance, $333.8 million, was derived from State appropriations; Federal, State and private grants; and sales of products from research farms. About 81 percent of the SAES and OCI research was on food and food-related subjects in FY 1975.

USDA agencies conducted food and food-related research in FY 1975 with $203.0 million, nearly all derived from Federal appropriations. The Agricultural Research Service (ARS) expended $175.7 million, Economic Research Service (ERS) $15.7 million, Forest Service (FS) $9.9 million and Farmer Cooperative Service (FCS)/Statistical Reporting Service (SRS) $1.7 million. About 63 percent of the research conducted by USDA agencies in FY 1975 was on food and food-related subjects. A major factor influencing the difference between this figure and the one for SAES/OCI is FS research principally devoted to non-food subjects. The ARS percentage for food and food-related research is comparable to that of the SAES.

Total Agricultural Research and Food and Food-Related Research by Performing Organizations, FY 1975

Performing Organization	Total Agricultural Research		Food & Food-Related Research		% of Total that is Food & Food-Related	
	Funds ($ mil)	SY's	Funds ($ mil)	SY's	Funds ($ mil)	SY's
SAES & OCI	499.4	6,420	402.5	5,020	80.6	78.2
USDA	324.1	4,312	203.0	2,730	62.6	63.1
Total	823.5	10,732	605.5	7,750	73.5	72.2

The data presented in this report are convenient summaries of some of the useful quantitative information contained in CRIS. Attempts have been made to present the data in meaningful groupings for general use. Overviews of food and food-related research are provided on the next page in two summary tables. The first gives the level of effort according to Commodity/Resource/Technology. The second gives the level of effort according to functional activity groups.

Changes in level of effort between FY 1974 and FY 1975 are charted by Commodities, Resources and Technologies in Figure 1, (pg. 6).

Food and Food-Related Research by Commodity/Resource/Technology in FY 1975 1/

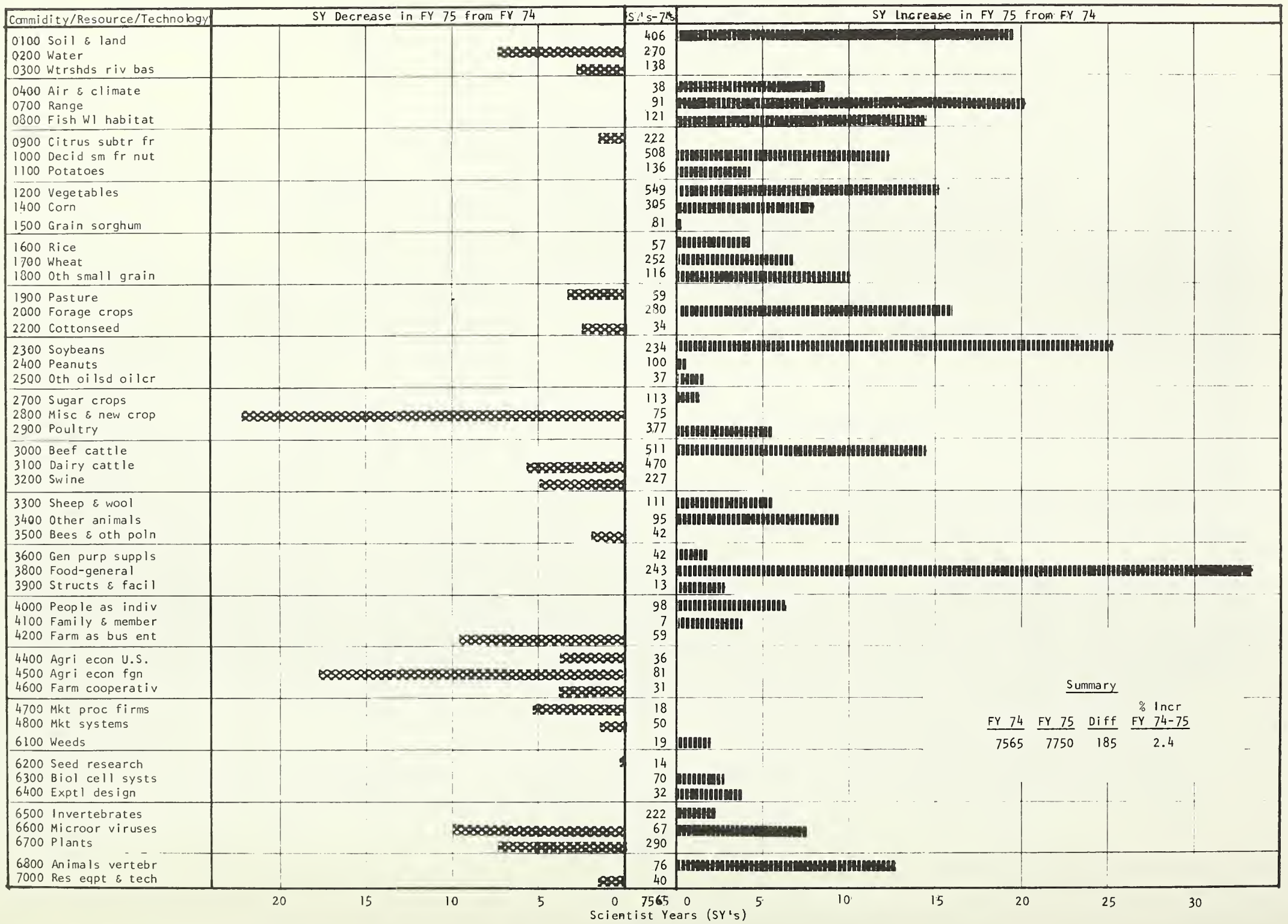
Commodity/Resource/Technology		Funds ($ mil)	SY's	Commodity/Resource/Technology		Funds ($ mil)	SY's
0100	Soil & Land	31.3	426	3200	Swine	25.9	222
0200	Water	19.3	262	3300	Sheep	12.2	116
0300	Watersheds Riverbasins	13.1	136	3400	Other Animals	8.7	105
0400	Air & Climate	3.4	47	3500	Bees & Honey	2.6	41
0700	Range	8.1	111	3600	Farm Suppl. & Facilities	2.5	44
0800	Wildlife & Fish	12.0	135	3800	Food	18.7	276
0900	Citrus Subcrop. Fruit	16.5	221	3900	Housing & Equipment	1.0	16
1000	Fruit Nuts Deciduous	35.5	521	4000	People as Individuals	8.0	104
1100	Potatoes	8.8	140	4100	Family Members	.7	11
1200	Vegetables	37.5	564	4200	Farm as Business	2.8	50
1400	Corn	21.5	312	4400	Agric. Economy - U.S.	2.3	32
1500	Grain Sorghum	5.3	82	4500	Agric. Economy - Foreign	3.9	63
1600	Rice	4.6	61	4600	Farm Cooperatives	1.6	32
1700	Wheat	16.9	258	4700	Oth. Mkt. Proc. Sply. Firms	.9	13
1800	Other Small Grains	8.0	126	4800	Marketing Systems	2.5	48
1900	Pasture	4.3	56	6100	Weeds	1.6	21
2000	Forage Crops	20.1	295	6200	Seed Research	1.1	14
2200	Cottonseed	2.2	31	6300	Biol. Cell Systems	6.5	73
2300	Soybeans	18.1	259	6400	Exp. Design/Stat. Methods	2.3	36
2400	Peanuts	6.8	101	6500	Invertebrates	15.6	224
2500	Other Oilseed Crops	2.5	38	6600	Microorganisms Viruses	5.6	75
2700	Sugarcrops	7.8	114	6700	Plants	22.3	283
2800	Mis. & New Crops	4.2	53	6800	Animals (Vertebrates)	8.8	89
2900	Poultry	32.4	383	6900	Research on Rsch. Mgmt	.2	3
3000	Beef Cattle	57.4	526	7000	Rsch. Equip. & Technology	3.7	38
3100	Dairy Cattle	46.1	464				
					TOTAL	605.5	7750

Food and Food-Related Research by Functional Activity Groups 1/

Functional Activity Group	Funds ($ mil)	SY's
Conservation, Development and Use of Soil, Water and Related Resources	54.4	716
Protection of Commodities, Resources and their Products from Losses and Damage	175.6	2,357
Efficient Production and Quality Improvement	243.2	2,952
Product Development and Processing	30.8	484
Efficient Marketing, Including Pricing and Quality	36.3	648
Improvement of Human Nutrition and Consumer Satisfaction	17.5	260
Development of Human Resources	4.5	64
General Methodology, Technology and Evaluation	11.0	177
Other	32.1	93
Total	605.5	7,750

1/ These summaries were derived from Table I (page 11) and Table II (page 13), respectively.

Figure 1. National Summary of Changes in Scientist Years (SY's) in Support of Food and Food-Related Research in FY 75 From FY 74



Many other aggregations and formats of the data are possible. For example, selected data can be extracted and regrouped by specific crop groupings for the various types of pest protection. Figure 2 (pg. 8) illustrates this by providing a graphic comparison of scientist-years of effort for selected crops and pest problems. For purposes of planning, budgeting, and evaluation of benefit/cost effectiveness, presentations such as shown in Figure 1 can be extremely useful. In program planning, relative strengths and weaknesses become more readily apparent.

No summaries are provided in this report on disciplines involved in the various commodity/resource and activity categories of research. However, the CRIS documentation contains this information (see example of a CRIS project resume and classification form -- Exhibit 5, (pg. 59)) and more detailed information can be retrieved from CRIS to add still another dimension to the information available.

Detailed information on food and food-related research is presented under five classification arrangements by performing organizations.

1) Table I - (pgs. 11 and 12)
   By Commodity/Resource/Technology categories for FY 1974 and FY 1975.

2) Table II - (pg. 13)
   By Activity and Activity Groups for FY 1975.

3) Table III - (pgs. 15-34)
   By Commodities x Activities for FY 1975.

4) Table IV - (pgs. 35-38)
   By Activity and RPA's.

5) Table V - (pg. 39)
   By Research Program Groups and Research Programs

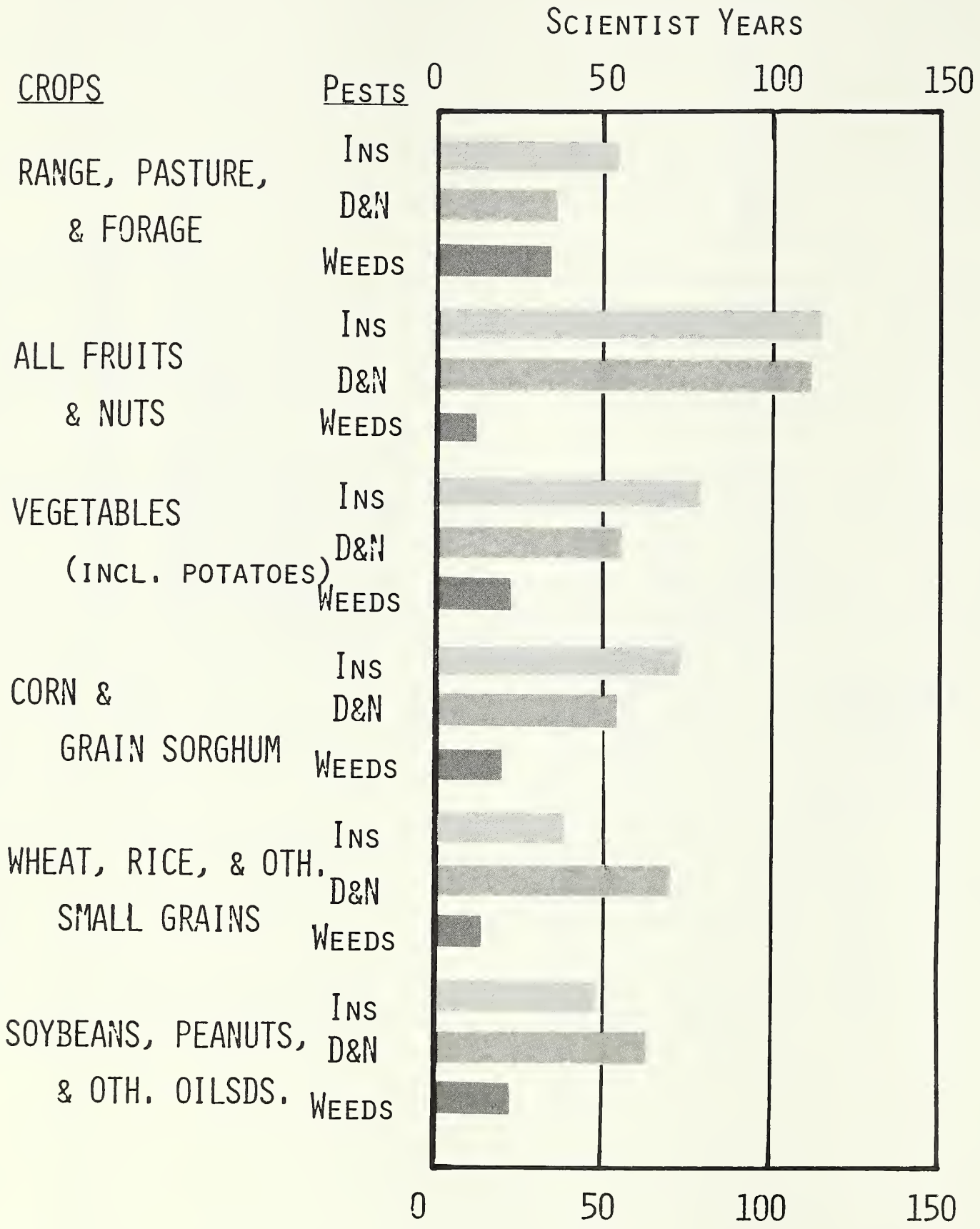


Fig. 2. National Effort on Protection of Various Groups of Crops Against Insects (Ins), Diseases and Nematodes (D&N), and Weeds

FY 1975 DATA BASE OF FOOD AND FOOD-RELATED RESEARCH IN USDA AND STATE RESEARCH AGENCIES

NOTE: In all tables, the sum of individual items may not agree with totals because of rounding. At each level of aggregation, funds are rounded to the nearest thousand dollars and scientist-years (SY) to the nearest tenth of an SY.

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TABLE I. -- SUMMARY TABULATION OF FOOD AND FOOD-RELATED RESEARCH BY COMMODITY/RESOURCE/TECHNOLOGY CATEGORIES [GROSS FUNDS (IN THOUSANDS) AND SCIENTIST YEARS - FY 1974 & 75]

COMMODITY/RESOURCE/TECHNOL[1/]	FY	ARS FUNDS	ARS SY	ERS FUNDS	ERS SY	FCS FS SRS FUNDS	FCS FS SRS SY	CSRS SAES OCI FORESTRY SCH FUNDS	CSRS SAES OCI FORESTRY SCH SY	NATIONAL TOTAL FUNDS	NATIONAL TOTAL SY
0100 SOIL & LAND	74	7,081	110.8	533	13.6	34	0.3	18,854	281.6	26,502	406.3
	75	8,066	110.2	472	10.4	141	2.0	22,646	303.2	31,324	425.8
0200 WATER	74	9,154	130.6	229	5.8	52	0.7	8,709	132.7	18,144	269.5
	75	9,267	119.9	261	7.0	87	1.4	9,683	133.9	19,297	262.2
0300 WATERSHEDS RIVERBASINS	74	4,096	54.6	21	0.6	4,955	67.9	965	15.5	10,037	138.4
	75	4,437	53.4	32	0.6	6,724	66.2	1,862	15.4	13,054	135.6
0400 AIR & CLIMATE	74	178	3.1			244	2.0	2,634	33.0	3,058	38.1
	75	272	5.1	145	3.6	499	5.6	2,444	32.3	3,360	46.6
0700 RANGE	74	2,319	35.0			1,647	20.6	2,182	35.6	6,145	91.1
	75	2,829	40.7			1,528	17.6	3,770	52.9	8,128	111.2
0800 WILDLIFE & FISH	74	280	3.6			587	9.0	8,862	108.1	9,729	120.8
	75	315	3.4			878	11.5	10,855	120.2	12,048	135.1
0900 CITRUS SUBTROP FRUIT	74	5,386	80.3	107	2.2			8,442	139.6	13,936	222.2
	75	6,106	81.1	132	2.4			10,257	137.3	16,494	220.8
1000 FRUIT NUTS DECIDUOUS	74	8,659	148.1	164	3.4			23,752	356.9	32,575	508.4
	75	9,170	142.9	191	3.6			26,117	374.2	35,478	520.7
1100 POTATOES	74	2,854	47.4	70	1.5			5,173	87.1	8,099	135.8
	75	2,875	46.2	83	1.1			5,861	92.7	8,819	140.0
1200 VEGETABLES	74	8,127	129.2	317	7.4			24,606	412.0	33,051	548.6
	75	8,317	124.3	352	5.1			28,788	434.3	37,456	563.7
1400 CORN	74	6,607	121.5	248	6.0			12,030	177.5	18,886	304.5
	75	7,192	122.0	293	5.3			14,059	185.1	21,545	312.4
1500 GRAIN SORGHUM	74	1,347	22.1	149	3.6			3,279	55.9	4,778	81.4
	75	1,314	23.1	176	3.2			3,809	55.2	5,299	31.5
1600 RICE	74	1,033	16.9	149	3.6			2,511	36.8	3,693	57.3
	75	1,200	18.1	176	3.2			3,205	40.1	4,580	61.4
1700 WHEAT	74	6,836	121.0	248	6.0			7,316	124.9	14,401	251.7
	75	7,294	118.8	293	5.3			9,353	134.3	16,940	258.4
1800 OTHER SMALL GRAINS	74	2,242	37.0	112	2.8			5,101	76.2	7,455	115.8
	75	2,338	38.1	127	2.3			5,493	85.4	7,958	125.8
1900 PASTURE	74	654	11.4					3,298	47.4	3,951	58.9
	75	589	8.2	15	0.2			3,683	47.3	4,288	55.7
2000 FORAGE CROPS	74	4,080	72.5	99	2.4			13,458	204.8	17,640	279.6
	75	4,759	76.7	152	2.5			15,176	216.2	20,088	295.4
2200 COTTONSEED	74	1,768	32.6	6	0.1			94	1.1	1,869	33.8
	75	1,969	29.4	7	0.1			193	1.9	2,169	31.4
2300 SOYBEANS	74	4,747	83.7	231	4.8			9,120	145.5	14,095	233.7
	75	5,353	78.9	361	7.6			12,365	172.5	18,078	259.0
2400 PEANUTS	74	3,005	57.1	68	1.5			3,155	42.0	6,230	100.4
	75	3,060	49.5	23	0.3			3,760	51.1	6,842	100.9
2500 OTHER OILSEED CROPS	74	1,527	26.8	43	0.7			766	9.5	2,334	36.9
	75	1,333	24.0	52	0.8			1,068	13.6	2,453	38.4
2700 SUGARCROPS	74	4,038	57.9	93	2.1			2,432	52.6	6,564	112.7
	75	4,242	57.4	90	2.7			3,447	53.8	7,779	113.9
2800 MISC & NEW CROPS	74	2,923	51.3					1,382	23.5	4,306	74.8
	75	2,568	30.6					1,649	22.1	4,216	52.7
2900 POULTRY	74	8,466	106.9	417	8.1			20,505	262.0	29,389	377.0
	75	9,526	106.7	566	10.1			22,342	265.7	32,435	382.5
3000 BEEF CATTLE	74	13,099	147.5	620	12.1			37,230	351.6	50,947	511.1
	75	15,894	151.5	677	11.0			40,826	363.1	57,397	525.6
3100 DAIRY CATTLE	74	11,972	140.7	691	12.0			28,816	317.2	41,480	469.6
	75	12,987	131.0	764	12.9			32,308	320.2	46,059	464.1

[1/] SEE FOOTNOTE AT END OF TABLE.

TABLE I. (Continued)

COMMODITY/RESOURCE/TECHNOL[1]	FY	ARS FUNDS	ARS SY	ERS FUNDS	ERS SY	FCS FS SRS FUNDS	FCS FS SRS SY	CSRS SAES OCI FORESTRY SCH FUNDS	CSRS SAES OCI FORESTRY SCH SY	NATIONAL TOTAL FUNDS	NATIONAL TOTAL SY
3200 SWINE	74	6,828	69.9	437	9.1			14,992	148.3	22,259	227.0
	75	7,860	58.0	445	7.8			17,566	156.4	25,871	222.2
3300 SHEEP	74	3,818	34.1	274	2.2			6,370	74.8	10,459	110.9
	75	4,227	31.8	460	3.8			7,474	80.8	12,161	116.4
3400 OTHER ANIMALS	74	1,690	15.2	7	0.1			5,780	79.8	7,478	95.2
	75	1,914	14.6	11	0.1			6,815	89.8	8,739	104.5
3500 BEES & HONEY	74	1,623	27.0					771	15.4	2,395	42.4
	75	1,760	28.1					846	12.4	2,607	40.5
3600 FARM SUPPL & FACILITIES	74	203	3.8	803	17.5			1,260	20.7	2,265	42.1
	75	365	4.0	852	20.7			1,312	19.1	2,528	43.8
3800 FOOD	74	3,373	60.6	2,275	47.3			8,806	134.8	14,454	242.7
	75	5,760	75.8	2,363	49.6			10,529	150.5	18,652	275.9
3900 HOUSING & EQUIPMENT	74	154	3.2					572	9.6	727	12.9
	75	392	4.3	40	0.9			559	10.5	991	15.7
4000 PEOPLE AS INDIVIDUALS	74	3,213	29.6					4,811	68.2	8,024	97.7
	75	2,239	26.2	374	4.4			5,338	73.2	7,951	103.8
4100 FAMILY MEMBERS	74	121	1.4					321	6.0	443	7.4
	75	105	1.1	185	2.9			415	7.2	706	11.2
4200 FARM AS BUSINESS	74			419	13.3			2,089	46.0	2,507	59.3
	75			399	8.6			2,361	41.2	2,760	49.8
4400 AGRIC ECONOMY - U.S.	74			954	22.1			961	13.8	1,915	35.9
	75			1,108	18.3			1,174	13.9	2,282	32.2
4500 AGRIC ECONOMY - FOREIGN	74			2,256	60.5			271	20.5	2,527	81.0
	75			2,557	50.8			1,309	12.5	3,866	63.3
4600 FARM COOPERATIVES	74					704	19.4	535	12.0	1,239	31.4
	75					1,095	22.0	554	10.2	1,649	32.2
4700 OTH MKT PROC SPLY FIRMS	74	282	6.8	79	1.0	36	0.9	453	9.6	851	18.3
	75	165	3.0	81	1.0	27	0.5	609	8.4	881	13.2
4800 MARKETING SYSTEMS	74	58	1.8	1,083	22.0			1,360	25.8	2,502	49.6
	75	47	1.0	1,101	22.7			1,400	24.7	2,549	48.4
6100 WEEDS	74	725	10.7					502	8.1	1,227	18.9
	75	824	11.7					819	9.2	1,644	20.9
6200 SEED RESEARCH	74	525	7.1					429	6.9	955	14.0
	75	597	7.9					483	6.9	1,080	13.9
6300 BIOL CELL SYSTEMS	74	0	0.1					5,761	69.9	5,761	69.9
	75	13	0.1					6,475	72.5	6,488	72.6
6400 EXP DESIGN/STAT METHODS	74					331	9.9	1,607	22.4	1,938	32.3
	75			128	3.2	385	10.7	1,741	22.2	2,254	36.1
6500 INVERTEBRATES	74	7,198	111.7					7,373	110.6	14,570	222.3
	75	7,623	118.5					7,984	105.9	15,608	224.4
6600 MICROORGANISMS VIRUSES	74	299	4.5					4,665	62.8	4,964	67.4
	75	506	8.4					5,103	66.5	5,610	74.9
6700 PLANTS	74	5,397	77.2					15,062	213.3	20,459	290.4
	75	6,185	83.8	61	1.5			16,046	197.9	22,292	283.2
6800 ANIMALS (VERTEBRATES)	74	395	4.9					7,552	71.4	7,947	76.0
	75	1,033	12.8	30	0.8			7,773	75.1	8,835	88.7
6900 RESEARCH ON RSCH MGMT	74							274	2.4	274	2.4
	75							241	3.3	241	3.3
7000 RSCH EQUIP & TECHNOLOGY	74	808	8.6			219	3.7	2,051	27.1	3,078	39.5
	75	833	8.4	43	1.1	264	3.5	2,563	25.1	3,702	33.1
TOTAL	74	159,191	2328.0	13,202	295.4	8,809	134.4	349,301	4811.1	530,515	7565.7
	75	175,719	2290.1	15,677	299.5	11,627	141.0	402,502	5019.5	605,526	7750.1

[1] FIGURES FOR EACH CLASSIFICATION CATEGORY LISTED INCLUDE A PROPORTIONAL DISTRIBUTION OF ALL FOOD-RELATED RESEARCH SUPPORT IDENTIFIED IN CRIS AS ADMINISTRATIVE AND UNCLASSIFIED PROJECTS (COMMODITIES 0001 AND 9900, RESPECTIVELY). SEE EXHIBIT 1 FOR COMPLETE DESCRIPTIONS.

TABLE II. -- SUMMARY TABULATION OF FOOD AND FOOD-RELATED RESEARCH BY ACTIVITY GROUPS AND ACTIVITIES 1/
[FY 1975 GROSS FUNDS (IN THOUSANDS) AND SCIENTIST YEARS]

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	416	2.3	87	2.2	432	6.2	6,731	98.0	7,666	108.7
RESOURCE DEVEL CONSER & MAN	4300	18,107	233.2	-	-	8,772	92.0	18,563	262.7	45,443	587.9
EVAL OF ALT USES AND METHODS	4400	-	-	348	6.3	3	.0	971	13.1	1,323	19.4
TOTAL		18,524	235.5	436	8.5	9,208	98.2	26,264	373.8	54,432	716.0
B. PROTECTION											
INSECTS	4500	16,642	234.8	-	-	12	.2	22,350	323.5	39,004	558.5
DISEASES PARASITES & NEMA	4600	33,238	323.0	74	.7	-	-	42,176	620.8	75,488	944.5
WEEDS	4700	3,380	51.0	-	-	-	-	7,546	110.9	10,926	161.9
FIRE	4810	15	.2	-	-	-	-	-	-	15	.2
FLOOD	4820	92	1.0	-	-	100	.9	104	1.3	297	3.2
POLLUTANTS	4830	12,801	180.6	17	.4	689	7.2	16,157	213.1	29,664	401.3
CLIMATIC EXTREMES	4840	982	13.4	67	1.0	-	-	1,012	16.3	2,061	30.7
BIRDS	4850	-	-	-	-	-	-	137	2.4	137	2.4
RODENTS AND OTHER MAMMALS	4860	323	3.1	313	1.9	-	-	435	4.4	1,071	9.4
SPOILAGE ORGANISMS	4870	4,273	73.2	-	-	-	-	2,813	36.1	7,086	109.3
ALLERGINS, TOXINS, POIS PLANTS	4880	6,280	85.5	-	-	-	-	3,036	43.0	9,315	128.5
RADIATION NOISE AND OTHER	4890	255	3.7	-	-	-	-	287	3.3	542	7.0
TOTAL		78,281	969.5	471	4.0	801	8.3	96,052	1375.1	175,605	2356.9
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	14,690	213.4	-	-	67	1.0	56,106	739.5	70,863	953.9
IMPROVING BIOLOGICAL EFFIC	5000	23,509	266.8	-	-	-	-	117,604	1323.4	141,113	1590.2
CONSUMER ACCEPTABILITY	5100	3,970	51.6	-	-	-	-	4,613	60.4	8,584	112.0
MECHANIZATION	5200	3,688	45.6	-	-	-	-	10,510	143.7	14,199	189.3
MANAGEMENT	5300	508	2.8	-	-	-	-	7,928	103.4	8,436	106.2
TOTAL		46,366	580.2	-	-	67	1.0	196,763	2370.4	243,195	2951.6
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	6,374	108.9	-	-	-	-	8,937	131.6	15,311	240.5
DEVEL FOOD PRODUCTS	5500	8,270	137.4	-	-	-	-	7,260	106.3	15,530	243.7
TOTAL		14,643	246.3	-	-	-	-	16,198	237.9	30,841	484.2
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	4,691	76.0	53	.6	-	-	8,026	124.2	12,770	200.8
IMPROVING MARKETING	5900	3,174	59.8	2,528	48.1	1,122	22.5	5,178	99.5	12,001	229.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	11	.2	3,827	74.4	-	-	2,179	45.1	6,017	119.7
DEVELOPING DOMESTIC MARKETS	6100	-	-	561	10.0	-	-	626	10.7	1,187	20.7
FOREIGN TRADE	6200	1,113	15.6	2,557	50.8	-	-	681	10.5	4,351	76.9
TOTAL		8,988	151.6	9,526	183.9	1,122	22.5	16,689	290.0	36,325	648.0
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	8,008	97.1	64	5.4	-	-	9,381	156.2	17,453	258.7
QUALITY OF FAMILY LIVING	6400	-	-	40	.9	-	-	-	-	40	.9
TOTAL		8,008	97.1	104	6.3	-	-	9,381	156.2	17,493	259.6
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	888	11.1	-	-	51	.6	939	11.7
ECONOMIC DEVELOPMENT	6600	-	-	722	13.6	-	-	1,728	21.7	2,450	35.3
SOCIAL WELL BEING	6700	-	-	62	1.1	-	-	1,054	15.6	1,116	16.7
TOTAL		-	-	1,672	25.8	-	-	2,833	37.9	4,505	63.7
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	60	.9	-	-	-	-	1,165	18.1	1,226	19.0
IMPROV RESEARCH ADMINISTRATION	7100	-	-	-	-	-	-	114	1.5	114	1.5
INFOR RETRIEVAL	7200	-	-	-	-	-	-	108	1.7	108	1.7
EVAL OF PUBLIC PROGRAMS	7300	8	.1	3,300	66.7	-	-	1,621	26.9	4,928	93.7
IMPROVEMENT OF STATISTICS	7400	-	-	128	3.2	385	10.7	472	4.7	984	18.6
DEVEL OF TECHNOLOGY	7500	579	8.9	43	1.1	44	.3	2,968	32.5	3,633	42.8
TOTAL		647	9.9	3,470	71.0	429	11.0	6,447	85.4	10,993	177.3
I. OTHER											
ADMINISTRATION	4001	-	-	-	-	-	-	18,201	.0	18,201	.0
OTHER	9900	262	.0	-	-	-	-	13,674	92.8	13,936	92.8
TOTAL		262	.0	-	-	-	-	31,875	92.8	32,137	92.8
TOTAL		175,719	2290.1	15,677	299.5	11,627	141.0	402,502	5019.5	605,526	7750.1

1/ SEE EXHIBIT 2 FOR COMPLETE DESCRIPTION OF ACTIVITIES.

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TABLE III. -- DETAILED TABULATION OF FOOD AND FOOD-RELATED RESEARCH BY COMMODITY/RESOURCE/TECHNOLOGY CATEGORIES AND BY ACTIVITY GROUPS AND ACTIVITIES 1/
[FY 1975 GROSS FUNDS (IN THOUSANDS) AND SCIENTIST YEARS]

0001 ADMINISTRATION

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
I. OTHER											
ADMINISTRATION	4001	-	-	-	-	-	-	18,201	0.0	18,201	0.0
TOTAL		-	-	-	-	-	-	18,201	.0	18,201	.0
TOTAL		-	-	-	-	-	-	18,201	.0	18,201	.0

0100 SOIL AND LAND

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	69	1.7	105	1.5	4,369	66.3	4,543	69.5
RESOURCE DEVEL CONSER & MAN	4300	5,918	79.2	-	-	35	.5	10,247	150.5	16,201	230.2
EVAL OF ALT USES AND METHODS	4400	-	-	237	4.1	-	-	775	10.2	1,012	14.3
TOTAL		5,918	79.2	306	5.8	141	2.0	15,391	227.0	21,756	314.0
B. PROTECTION											
FLOOD	4820	3	.1	-	-	-	-	15	.2	18	.3
POLLUTANTS	4830	2,003	28.4	-	-	-	-	5,124	66.3	7,127	94.7
CLIMATIC EXTREMES	4840	62	1.4	-	-	-	-	-	-	62	1.4
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	2	.0	2	.0
RADIATION NOISE AND OTHER	4890	68	1.1	-	-	-	-	62	.2	129	1.3
TOTAL		2,135	31.0	-	-	-	-	5,203	66.7	7,338	97.7
E. MARKETING, PRICING & QUALITY											
IMPROVING MARKETING	5900	-	-	-	-	-	-	18	.3	18	.3
TOTAL		-	-	-	-	-	-	18	.3	18	.3
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	166	4.6	-	-	240	3.9	406	8.5
TOTAL		-	-	166	4.6	-	-	240	3.9	406	8.5
TOTAL		8,054	110.2	472	10.4	141	2.0	20,853	297.9	29,519	420.5

0200 WATER

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	19	.5	35	.5	422	5.6	476	6.6
RESOURCE DEVEL CONSER & MAN	4300	6,843	87.0	-	-	33	.5	4,212	63.7	11,088	151.2
EVAL OF ALT USES AND METHODS	4400	-	-	84	1.7	-	-	141	2.1	225	3.8
TOTAL		6,843	87.0	102	2.2	68	1.0	4,775	71.4	11,788	161.6
B. PROTECTION											
WEEDS	4700	688	8.6	-	-	-	-	110	2.5	797	11.1
FLOOD	4820	15	.1	-	-	-	-	31	.4	46	.5
POLLUTANTS	4830	1,707	24.2	-	-	19	.4	3,754	53.7	5,479	78.3
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	73	.6	73	.6
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	6	.1	6	.1
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	0	.0	0	.0
TOTAL		2,410	32.9	-	-	19	.4	3,973	57.3	6,402	90.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	159	4.8	-	-	168	2.7	326	7.5
TOTAL		-	-	159	4.8	-	-	168	2.7	326	7.5
TOTAL		9,253	119.9	261	7.0	87	1.4	8,916	131.4	18,516	259.7

0300 WATERSHEDS & RIVER BASINS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	-	-	-	-	2	0.0	2	0.0
RESOURCE DEVEL CONSER & MAN	4300	4,299	51.6	-	-	6,451	64.1	1,554	13.1	12,305	128.8
EVAL OF ALT USES AND METHODS	4400	-	-	28	.5	-	-	22	.3	50	.8
TOTAL		4,299	51.6	28	.5	6,451	64.1	1,578	13.4	12,356	129.6
B. PROTECTION											
FLOOD	4820	75	.8	-	-	100	.9	58	.7	233	2.4
POLLUTANTS	4830	23	.4	-	-	172	1.2	65	.9	260	2.5
CLIMATIC EXTREMES	4840	33	.6	-	-	-	-	-	-	33	.6
TOTAL		131	1.8	-	-	272	2.1	123	1.6	526	5.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	4	.1	-	-	13	.1	18	.2
TOTAL		-	-	4	.1	-	-	13	.1	18	.2
TOTAL		4,430	53.4	32	.6	6,724	66.2	1,715	15.1	12,900	135.3

SEE FOOTNOTE AT END OF TABLE.

TABLE III. -- (Continued)

0400 AIR AND CLIMATE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	-	-	-	-	1,108	17.6	1,108	17.6
RESOURCE DEVEL CONSER & MAN	4300	49	.9	-	-	-	-	380	4.4	428	5.3
TOTAL		49	.9	-	-	-	-	1,488	22.0	1,537	22.9
B. PROTECTION											
POLLUTANTS	4830	187	3.6	17	.4	499	5.6	663	7.9	1,365	17.5
RADIATION NOISE AND OTHER	4890	29	.5	-	-	-	-	-	-	29	.5
TOTAL		216	4.1	17	.4	499	5.6	663	7.9	1,395	18.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	8	.1	128	3.2	-	-	35	.3	170	3.6
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	64	1.5	64	1.5
TOTAL		8	.1	128	3.2	-	-	99	1.8	234	5.1
TOTAL		272	5.1	145	3.6	499	5.6	2,250	31.7	3,166	46.0

0700 RANGE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	-	-	37	.5	86	1.3	123	1.8
RESOURCE DEVEL CONSER & MAN	4300	907	13.7	-	-	1,491	17.1	1,160	17.4	3,559	48.2
TOTAL		907	13.7	-	-	1,528	17.6	1,246	18.7	3,682	50.0
B. PROTECTION											
INSECTS	4500	251	4.3	-	-	-	-	315	6.9	566	11.2
DISEASES PARASITES & NEMA	4600	49	.8	-	-	-	-	14	.5	62	1.3
WEEDS	4700	636	10.3	-	-	-	-	169	3.6	805	13.9
POLLUTANTS	4830	-	-	-	-	-	-	33	.3	33	.3
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	13	.2	13	.2
TOTAL		936	15.4	-	-	-	-	543	11.5	1,480	26.9
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	133	2.3	-	-	-	-	699	7.5	832	9.8
IMPROVING BIOLOGICAL EFFIC	5000	848	9.3	-	-	-	-	941	13.2	1,790	22.5
MECHANIZATION	5200	-	-	-	-	-	-	41	1.0	41	1.0
TOTAL		982	11.6	-	-	-	-	1,682	21.7	2,663	33.3
TOTAL		2,825	40.7	-	-	1,528	17.6	3,471	51.9	7,825	110.2

0800 FISH, SHELLFISH, GAME AND FUR-BEARING ANIMALS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	-	-	-	-	35	.5	252	3.1	287	3.6
RESOURCE DEVEL CONSER & MAN	4300	-	-	-	-	761	9.8	767	10.6	1,527	20.4
EVAL OF ALT USES AND METHODS	4400	-	-	-	-	3	.0	33	.5	36	.5
TOTAL		-	-	-	-	799	10.3	1,051	14.2	1,850	24.5
B. PROTECTION											
INSECTS	4500	-	-	-	-	12	.2	62	.7	74	.9
DISEASES PARASITES & NEMA	4600	114	1.1	-	-	-	-	724	11.8	838	12.9
WEEDS	4700	-	-	-	-	-	-	3	.1	3	.1
POLLUTANTS	4830	93	1.2	-	-	-	-	1,074	8.3	1,167	9.5
BIRDS	4850	-	-	-	-	-	-	12	.2	12	.2
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	44	.2	44	.2
SPOILAGE ORGANISMS	4870	-	-	-	-	-	-	115	1.8	115	1.8
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	35	.4	35	.4
TOTAL		207	2.3	-	-	12	.2	2,070	23.5	2,288	26.0
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	21	.3	-	-	67	1.0	3,542	40.5	3,630	41.8
IMPROVING BIOLOGICAL EFFIC	5000	75	.7	-	-	-	-	1,894	17.8	1,969	18.5
CONSUMER ACCEPTABILITY	5100	11	.1	-	-	-	-	80	.6	91	.7
MECHANIZATION	5200	-	-	-	-	-	-	117	2.1	117	2.1
MANAGEMENT	5300	-	-	-	-	-	-	28	.8	28	.8
TOTAL		107	1.1	-	-	67	1.0	5,661	61.8	5,834	63.9
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	-	-	-	-	-	-	521	6.5	521	6.5
DEVEL FOOD PRODUCTS	5500	-	-	-	-	-	-	296	4.3	296	4.3
TOTAL		-	-	-	-	-	-	818	10.8	818	10.8
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	2	.0	-	-	-	-	180	2.8	181	2.8
IMPROVING MARKETING	5900	-	-	-	-	-	-	16	.4	16	.4
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	93	2.0	93	2.0
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	56	1.4	56	1.4
FOREIGN TRADE	6200	-	-	-	-	-	-	17	.4	17	.4
TOTAL		2	.0	-	-	-	-	362	7.0	364	7.0
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	22	.7	22	.7
TOTAL		-	-	-	-	-	-	22	.7	22	.7
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	7	.0	7	.0
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	4	.0	4	.0
TOTAL		-	-	-	-	-	-	12	.0	12	.0
TOTAL		315	3.4	-	-	878	11.5	9,995	118.0	11,188	132.9

TABLE III. -- (Continued)

0900 CITRUS & SUBTROPICAL FRUITS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,900	18.1	-	-	-	-	1,731	22.0	3,630	40.1
DISEASES PARASITES & NEMA	4600	603	7.0	-	-	-	-	2,012	25.2	2,615	32.2
WEEDS	4700	-	-	-	-	-	-	294	3.5	294	3.5
POLLUTANTS	4830	196	4.9	-	-	-	-	66	1.2	262	6.1
CLIMATIC EXTREMES	4840	2	.0	-	-	-	-	76	1.2	78	1.2
SPOILAGE ORGANISMS	4870	71	.7	-	-	-	-	90	.7	161	1.4
ALLERGINS, TOXINS, POIS PLANTS	4880	108	1.2	-	-	-	-	-	-	108	1.2
TOTAL		2,879	31.9	-	-	-	-	4,269	53.8	7,148	85.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	30	.6	-	-	-	-	1,025	14.6	1,055	15.2
IMPROVING BIOLOGICAL EFFIC	5000	969	11.6	-	-	-	-	2,204	32.7	3,172	44.3
CONSUMER ACCEPTABILITY	5100	158	1.1	-	-	-	-	181	3.3	338	4.4
MECHANIZATION	5200	236	5.5	-	-	-	-	397	5.5	633	11.0
MANAGEMENT	5300	-	-	-	-	-	-	83	1.4	83	1.4
TOTAL		1,393	18.8	-	-	-	-	3,889	57.5	5,282	76.3
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	549	11.0	-	-	-	-	205	3.9	753	14.9
DEVEL FOOD PRODUCTS	5500	339	5.3	-	-	-	-	392	7.0	731	12.3
TOTAL		887	16.3	-	-	-	-	597	10.9	1,484	27.2
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	379	5.8	-	-	-	-	285	5.1	663	10.9
IMPROVING MARKETING	5900	140	2.8	59	1.2	-	-	263	5.1	462	9.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	73	1.2	-	-	46	1.2	120	2.4
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	61	.3	61	.3
FOREIGN TRADE	6200	419	5.5	-	-	-	-	11	.4	430	5.9
TOTAL		938	14.1	132	2.4	-	-	666	12.1	1,736	28.6
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	23	.5	23	.5
TOTAL		-	-	-	-	-	-	23	.5	23	.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	0	.0	0	.0
TOTAL		-	-	-	-	-	-	0	.0	0	.0
TOTAL		6,097	81.1	132	2.4	-	-	9,445	134.8	15,673	218.3

1000 DECIDUOUS AND SMALL FRUITS AND EDIBLE TREE NUTS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,418	20.8	-	-	-	-	3,922	52.8	5,340	73.6
DISEASES PARASITES & NEMA	4600	968	14.3	-	-	-	-	4,046	66.0	5,014	80.3
WEEDS	4700	67	1.2	-	-	-	-	438	5.8	505	7.0
POLLUTANTS	4830	574	7.0	-	-	-	-	151	2.5	725	9.5
CLIMATIC EXTREMES	4840	30	.5	-	-	-	-	419	6.6	449	7.1
BIRDS	4850	-	-	-	-	-	-	17	.5	17	.5
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	101	.9	101	.9
SPOILAGE ORGANISMS	4870	599	10.8	-	-	-	-	213	3.3	812	14.1
ALLERGINS, TOXINS, POIS PLANTS	4880	80	1.4	-	-	-	-	114	2.1	194	3.5
TOTAL		3,737	56.0	-	-	-	-	9,421	140.5	13,158	196.5
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	30	.4	-	-	-	-	1,451	25.0	1,480	25.4
IMPROVING BIOLOGICAL EFFIC	5000	1,558	20.1	-	-	-	-	7,258	106.3	8,816	126.4
CONSUMER ACCEPTABILITY	5100	63	.9	-	-	-	-	789	9.6	852	10.5
MECHANIZATION	5200	403	6.4	-	-	-	-	1,490	23.0	1,893	29.4
MANAGEMENT	5300	-	-	-	-	-	-	80	1.5	80	1.5
TOTAL		2,054	27.8	-	-	-	-	11,068	165.4	13,122	193.2
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	273	4.4	-	-	-	-	1,075	19.9	1,349	24.3
DEVEL FOOD PRODUCTS	5500	1,541	27.5	-	-	-	-	984	16.8	2,526	44.3
TOTAL		1,815	31.9	-	-	-	-	2,060	36.7	3,874	68.6
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	1,069	17.8	-	-	-	-	1,159	18.4	2,228	36.2
IMPROVING MARKETING	5900	324	6.3	117	2.4	-	-	78	2.2	520	10.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	73	1.2	-	-	202	2.9	275	4.1
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	18	.2	18	.2
FOREIGN TRADE	6200	159	3.1	-	-	-	-	9	.2	168	3.3
TOTAL		1,551	27.2	191	3.6	-	-	1,466	23.9	3,208	54.7
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	24	.6	24	.6
TOTAL		-	-	-	-	-	-	24	.6	24	.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	1	.0	1	.0
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	10	.2	10	.2
TOTAL		-	-	-	-	-	-	11	.2	11	.2
TOTAL		9,156	142.9	191	3.6	-	-	24,049	367.3	33,396	513.8

TABLE III. -- (Continued)

1100 POTATOES

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY			FUNDS	SY
B. PROTECTION													
INSECTS	4500	242	3.2	-	-	-	-	489	7.0			730	10.2
DISEASES PARASITES & NEMA	4600	553	8.4	-	-	-	-	1,316	21.4			1,869	29.8
WEEDS	4700	10	.2	-	-	-	-	96	2.1			106	2.3
POLLUTANTS	4830	222	2.9	-	-	-	-	14	.2			237	3.1
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	3	.1			3	.1
SPOILAGE ORGANISMS	4870	40	.9	-	-	-	-	4	.1			44	1.0
ALLERGINS, TOXINS, POIS PLANTS	4880	694	11.5	-	-	-	-	116	2.5			810	14.0
TOTAL		1,761	27.1	-	-	-	-	2,038	33.4			3,799	60.5
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	45	.7	-	-	-	-	332	5.1			378	5.8
IMPROVING BIOLOGICAL EFFIC	5000	182	2.5	-	-	-	-	1,551	25.4			1,733	27.9
CONSUMER ACCEPTABILITY	5100	133	1.7	-	-	-	-	206	3.3			339	5.0
MECHANIZATION	5200	11	.2	-	-	-	-	148	3.7			158	3.9
MANAGEMENT	5300	-	-	-	-	-	-	16	.6			16	.6
TOTAL		371	5.1	-	-	-	-	2,254	38.1			2,625	43.2
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	243	5.0	-	-	-	-	205	3.2			448	8.2
DEVEL FOOD PRODUCTS	5500	56	.6	-	-	-	-	96	2.3			152	2.9
TOTAL		299	5.6	-	-	-	-	300	5.5			600	11.1
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	239	4.0	-	-	-	-	610	9.1			849	13.1
IMPROVING MARKETING	5900	201	4.4	59	.7	-	-	110	3.2			370	8.3
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	24	.4	-	-	34	.7			58	1.1
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	5	.1			5	.1
TOTAL		439	8.4	83	1.1	-	-	760	13.1			1,282	22.6
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	46	.9			46	.9
TOTAL		-	-	-	-	-	-	46	.9			46	.9
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	1	.0			1	.0
TOTAL		-	-	-	-	-	-	1	.0			1	.0
TOTAL		2,871	46.2	83	1.1	-	-	5,397	91.0			8,351	138.3

1200 VEGETABLES

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY			FUNDS	SY
B. PROTECTION													
INSECTS	4500	1,557	20.3	-	-	-	-	3,025	47.5			4,582	67.8
DISEASES PARASITES & NEMA	4600	1,476	21.9	-	-	-	-	5,190	85.4			6,665	107.3
WEEDS	4700	236	3.4	-	-	-	-	969	15.4			1,205	18.8
POLLUTANTS	4830	163	2.7	-	-	-	-	312	4.6			475	7.3
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	10	.3			10	.3
BIRDS	4850	-	-	-	-	-	-	6	.2			6	.2
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	0	.0			0	.0
SPOILAGE ORGANISMS	4870	315	5.7	-	-	-	-	216	2.6			531	8.3
ALLERGINS, TOXINS, POIS PLANTS	4880	482	7.0	-	-	-	-	78	1.2			561	8.2
TOTAL		4,230	61.0	-	-	-	-	9,806	157.2			14,036	218.2
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	108	1.9	-	-	-	-	1,260	22.6			1,368	24.5
IMPROVING BIOLOGICAL EFFIC	5000	854	10.6	-	-	-	-	9,151	140.6			10,004	151.2
CONSUMER ACCEPTABILITY	5100	321	4.5	-	-	-	-	756	11.7			1,077	16.2
MECHANIZATION	5200	333	4.4	-	-	-	-	1,961	30.4			2,294	34.8
MANAGEMENT	5300	-	-	-	-	-	-	234	4.7			234	4.7
TOTAL		1,616	21.4	-	-	-	-	13,362	210.0			14,978	231.4
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	414	6.3	-	-	-	-	896	15.2			1,310	21.5
DEVEL FOOD PRODUCTS	5500	993	17.8	-	-	-	-	664	10.8			1,657	28.6
TOTAL		1,407	24.1	-	-	-	-	1,560	26.0			2,967	50.1
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	705	11.5	-	-	-	-	1,143	18.7			1,848	30.2
IMPROVING MARKETING	5900	151	3.2	239	3.1	-	-	251	6.7			642	13.0
ANALYZE SUPPLY, PRICE, DEMAND	6000	11	.2	73	1.2	-	-	139	3.0			222	4.4
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	51	1.0			51	1.0
FOREIGN TRADE	6200	169	2.5	-	-	-	-	5	.1			174	2.6
TOTAL		1,035	17.4	312	4.3	-	-	1,589	29.5			2,937	51.2
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	16	.4	-	-	-	-	155	2.7			172	3.1
TOTAL		16	.4	-	-	-	-	155	2.7			172	3.1
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	40	.8	-	-	0	.0			40	.8
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	34	.9			34	.9
TOTAL		-	-	40	.8	-	-	34	.9			74	1.7
TOTAL		8,305	124.3	352	5.1	-	-	26,508	426.3			35,164	555.7

TABLE III. -- (Continued)

1400 CORN

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,967	34.0	-	-	-	-	2,194	26.8	4,161	60.8
DISEASES PARASITES & NEMA	4600	945	16.3	-	-	-	-	2,260	31.4	3,205	47.7
WEEDS	4700	112	1.6	-	-	-	-	918	12.9	1,030	14.5
POLLUTANTS	4830	955	15.0	-	-	-	-	258	3.6	1,213	18.6
CLIMATIC EXTREMES	4840	3	.0	-	-	-	-	-	-	3	.0
BIRDS	4850	-	-	-	-	-	-	32	.8	32	.8
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	4	.1	4	.1
SPOILAGE ORGANISMS	4870	690	11.7	-	-	-	-	129	1.6	819	13.3
ALLERGINS, TOXINS, POIS PLANTS	4880	45	.8	-	-	-	-	39	.9	84	1.7
TOTAL		4,717	79.4	-	-	-	-	5,833	78.1	10,551	157.5
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	322	5.7	-	-	-	-	1,035	16.4	1,357	22.1
IMPROVING BIOLOGICAL EFFIC	5000	522	8.8	-	-	-	-	4,495	62.4	5,017	71.2
CONSUMER ACCEPTABILITY	5100	160	3.0	-	-	-	-	17	.8	177	3.8
MECHANIZATION	5200	207	3.5	-	-	-	-	171	3.3	378	6.8
MANAGEMENT	5300	-	-	-	-	-	-	246	3.9	246	3.9
TOTAL		1,211	21.0	-	-	-	-	5,965	86.8	7,175	107.8
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	279	5.0	-	-	-	-	196	1.8	475	6.8
DEVEL FOOD PRODUCTS	5500	516	8.9	-	-	-	-	167	2.5	683	11.4
TOTAL		795	13.9	-	-	-	-	363	4.3	1,158	18.2
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	133	2.3	13	.1	-	-	169	2.5	316	4.9
IMPROVING MARKETING	5900	111	1.9	60	1.2	-	-	247	4.0	417	7.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	220	4.0	-	-	148	2.8	368	6.8
FOREIGN TRADE	6200	-	-	-	-	-	-	28	.6	28	.6
TOTAL		244	4.2	293	5.3	-	-	592	9.9	1,129	19.4
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	215	3.5	-	-	-	-	156	2.0	371	5.5
TOTAL		215	3.5	-	-	-	-	156	2.0	371	5.5
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	1	.0	1	.0
TOTAL		-	-	-	-	-	-	1	.0	1	.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	11	.3	11	.3
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	25	.3	25	.3
TOTAL		-	-	-	-	-	-	36	.6	36	.6
TOTAL		7,181	122.0	293	5.3	-	-	12,946	181.7	20,421	309.0

1500 GRAIN SORGHUM

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	278	5.1	-	-	-	-	356	7.7	634	12.8
DISEASES PARASITES & NEMA	4600	98	2.3	-	-	-	-	304	5.2	402	7.5
WEEDS	4700	6	.0	-	-	-	-	226	3.4	232	3.4
POLLUTANTS	4830	222	3.7	-	-	-	-	4	.0	226	3.7
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	7	.3	7	.3
BIRDS	4850	-	-	-	-	-	-	5	.1	5	.1
SPOILAGE ORGANISMS	4870	153	2.7	-	-	-	-	59	.3	212	3.0
ALLERGINS, TOXINS, POIS PLANTS	4880	9	.2	-	-	-	-	10	.1	19	.3
TOTAL		767	14.0	-	-	-	-	969	17.1	1,736	31.1
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	94	1.4	-	-	-	-	355	4.0	448	5.4
IMPROVING BIOLOGICAL EFFIC	5000	269	4.4	-	-	-	-	1,754	26.8	2,024	31.2
CONSUMER ACCEPTABILITY	5100	1	.0	-	-	-	-	26	.2	27	.2
MECHANIZATION	5200	-	-	-	-	-	-	80	1.2	80	1.2
MANAGEMENT	5300	-	-	-	-	-	-	98	1.2	98	1.2
TOTAL		365	5.8	-	-	-	-	2,313	33.4	2,677	39.2
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	34	.6	-	-	-	-	64	.4	98	1.0
DEVEL FOOD PRODUCTS	5500	57	1.1	-	-	-	-	36	.4	93	1.5
TOTAL		91	1.7	-	-	-	-	100	.8	192	2.5
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	33	.7	8	.1	-	-	36	.5	77	1.3
IMPROVING MARKETING	5900	44	.7	36	.7	-	-	42	1.2	122	2.6
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	132	2.4	-	-	22	.9	154	3.3
FOREIGN TRADE	6200	-	-	-	-	-	-	4	.0	4	.0
TOTAL		77	1.4	176	3.2	-	-	103	2.6	356	7.2
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	13	.2	-	-	-	-	-	-	13	.2
TOTAL		13	.2	-	-	-	-	-	-	13	.2
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	0	.0	0	.0
TOTAL		-	-	-	-	-	-	0	.0	0	.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	2	.1	2	.1
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	19	.2	19	.2
TOTAL		-	-	-	-	-	-	21	.3	21	.3
TOTAL		1,312	23.1	176	3.2	-	-	3,507	54.2	4,995	80.5

TABLE III. -- (Continued)

1600 RICE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	194	3.2	-	-	-	-	212	3.8	405	7.0
DISEASES PARASITES & NEMA	4600	80	1.5	-	-	-	-	408	6.4	488	7.9
WEEDS	4700	57	1.0	-	-	-	-	443	2.9	500	3.9
POLLUTANTS	4830	58	.5	-	-	-	-	11	.1	69	.6
SPOILAGE ORGANISMS	4870	36	.6	-	-	-	-	-	-	36	.6
TOTAL		424	6.8	-	-	-	-	1,074	13.2	1,498	20.0
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	151	2.1	151	2.1
IMPROVING BIOLOGICAL EFFIC	5000	206	3.2	-	-	-	-	1,226	13.7	1,432	16.9
CONSUMER ACCEPTABILITY	5100	87	1.5	-	-	-	-	22	.6	109	2.1
MECHANIZATION	5200	-	-	-	-	-	-	94	1.9	94	1.9
MANAGEMENT	5300	-	-	-	-	-	-	24	.5	24	.5
TOTAL		293	4.7	-	-	-	-	1,517	18.8	1,810	23.5
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	89	1.1	-	-	-	-	42	.8	131	1.9
DEVEL FOOD PRODUCTS	5500	107	1.8	-	-	-	-	14	.4	121	2.2
TOTAL		196	2.9	-	-	-	-	56	1.2	252	4.1
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	155	1.9	8	.1	-	-	158	3.9	321	5.9
IMPROVING MARKETING	5900	73	1.0	36	.7	-	-	20	.2	129	1.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	132	2.4	-	-	4	.1	136	2.5
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	11	.4	11	.4
FOREIGN TRADE	6200	-	-	-	-	-	-	10	.2	10	.2
TOTAL		228	2.9	176	3.2	-	-	204	4.8	608	10.9
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	57	.8	-	-	-	-	7	.1	64	.9
TOTAL		57	.8	-	-	-	-	7	.1	64	.9
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	2	.0	2	.0
TOTAL		-	-	-	-	-	-	2	.0	2	.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	12	.4	12	.4
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	77	.9	77	.9
TOTAL		-	-	-	-	-	-	90	1.3	90	1.3
TOTAL		1,198	18.1	176	3.2	-	-	2,951	39.4	4,324	60.7

1700 WHEAT

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,000	17.3	-	-	-	-	375	5.2	1,375	22.5
DISEASES PARASITES & NEMA	4600	1,306	20.8	-	-	-	-	1,319	23.5	2,625	44.3
WEEDS	4700	23	.5	-	-	-	-	257	5.0	280	5.5
POLLUTANTS	4830	434	6.5	-	-	-	-	28	.1	461	6.6
CLIMATIC EXTREMES	4840	18	.3	-	-	-	-	22	.5	40	.8
SPOILAGE ORGANISMS	4870	460	8.0	-	-	-	-	7	.1	467	8.1
ALLERGINS, TOXINS, POIS PLANTS	4880	36	.6	-	-	-	-	24	.3	59	.9
TOTAL		3,276	54.0	-	-	-	-	2,031	34.7	5,307	88.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	144	2.3	-	-	-	-	731	11.5	874	13.8
IMPROVING BIOLOGICAL EFFIC	5000	598	8.4	-	-	-	-	3,582	51.5	4,180	59.9
CONSUMER ACCEPTABILITY	5100	737	11.8	-	-	-	-	245	4.0	982	15.8
MECHANIZATION	5200	86	1.4	-	-	-	-	63	1.3	149	2.7
MANAGEMENT	5300	-	-	-	-	-	-	59	1.5	59	1.5
TOTAL		1,565	23.9	-	-	-	-	4,680	69.8	6,245	93.7
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	887	15.6	-	-	-	-	594	6.5	1,481	22.1
DEVEL FOOD PRODUCTS	5500	591	10.3	-	-	-	-	302	5.1	892	15.4
TOTAL		1,477	25.9	-	-	-	-	896	11.6	2,374	37.5
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	559	8.7	13	.1	-	-	492	7.0	1,065	15.8
IMPROVING MARKETING	5900	93	1.7	60	1.2	-	-	224	4.2	377	7.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	220	4.0	-	-	73	1.4	293	5.4
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	4	.0	4	.0
FOREIGN TRADE	6200	85	1.2	-	-	-	-	78	1.0	163	2.2
TOTAL		738	11.6	293	5.3	-	-	871	13.6	1,902	30.5
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	227	3.4	-	-	-	-	43	.8	270	4.2
TOTAL		227	3.4	-	-	-	-	43	.8	270	4.2
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	1	.0	1	.0
TOTAL		-	-	-	-	-	-	1	.0	1	.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	12	.4	12	.4
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	77	.9	77	.9
TOTAL		-	-	-	-	-	-	89	1.3	89	1.3
TOTAL		7,283	118.8	293	5.3	-	-	8,612	131.8	16,188	255.9

TABLE III. -- (Continued)

1800 OTHER SMALL GRAINS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION													
INSECTS	4500	321	5.4	-	-	-	-	148	3.0			469	8.4
DISEASES PARASITES & NEMA	4600	473	7.5	-	-	-	-	699	11.3			1,172	18.8
WEEDS	4700	15	.3	-	-	-	-	178	3.9			194	4.2
POLLUTANTS	4830	30	.2	-	-	-	-	48	.7			78	.9
CLIMATIC EXTREMES	4840	55	.8	-	-	-	-	5	.0			61	.8
SPOILAGE ORGANISMS	4870	11	.2	-	-	-	-	-	-			11	.2
ALLERGINS, TOXINS, POIS PLANTS	4880	8	.2	-	-	-	-	44	.7			52	.9
TOTAL		913	14.6	-	-	-	-	1,123	19.6			2,036	34.2
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	70	1.3	-	-	-	-	461	10.6			531	11.9
IMPROVING BIOLOGICAL EFFIC	5000	622	10.5	-	-	-	-	2,791	40.9			3,413	51.4
CONSUMER ACCEPTABILITY	5100	395	5.9	-	-	-	-	171	2.2			566	8.1
MECHANIZATION	5200	36	.5	-	-	-	-	78	1.0			114	1.5
MANAGEMENT	5300	-	-	-	-	-	-	34	.8			34	.8
TOTAL		1,123	18.2	-	-	-	-	3,535	55.5			4,658	73.7
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	15	.4	-	-	-	-	133	2.6			148	3.0
DEVEL FOOD PRODUCTS	5500	106	2.0	-	-	-	-	138	3.2			244	5.2
TOTAL		121	2.4	-	-	-	-	271	5.8			392	8.2
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	177	2.9	5	.1	-	-	78	1.4			260	4.4
IMPROVING MARKETING	5900	-	-	24	.5	-	-	23	.7			46	1.2
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	88	1.5	-	-	15	.3			103	1.8
FOREIGN TRADE	6200	-	-	-	-	-	-	5	.2			5	.2
TOTAL		177	2.9	117	2.1	-	-	120	2.6			414	7.6
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	3	.1			3	.1
TOTAL		-	-	-	-	-	-	3	.1			3	.1
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	0	.0			0	.0
TOTAL		-	-	-	-	-	-	0	.0			0	.0
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	10	.2	-	-	6	.2			16	.4
TOTAL		-	-	10	.2	-	-	6	.2			16	.4
TOTAL		2,335	38.1	127	2.3	-	-	5,058	83.8			7,520	124.2

1900 PASTURE

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION													
INSECTS	4500	16	.3	-	-	-	-	52	1.9			68	2.2
DISEASES PARASITES & NEMA	4600	-	-	-	-	-	-	77	2.4			77	2.4
WEEDS	4700	326	5.3	-	-	-	-	167	2.5			493	7.8
POLLUTANTS	4830	69	.0	-	-	-	-	-	-			69	.0
TOTAL		411	5.6	-	-	-	-	296	6.8			707	12.4
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	12	.2	-	-	-	-	306	4.9			319	5.1
IMPROVING BIOLOGICAL EFFIC	5000	105	1.6	-	-	-	-	2,461	31.2			2,566	32.8
MECHANIZATION	5200	61	.8	-	-	-	-	21	.2			82	1.0
MANAGEMENT	5300	-	-	-	-	-	-	304	3.2			304	3.2
TOTAL		178	2.6	-	-	-	-	3,093	39.5			3,271	42.1
E. MARKETING, PRICING & QUALITY													
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	15	.2	-	-	-	-			15	.2
TOTAL		-	-	15	.2	-	-	-	-			15	.2
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	3	.1			3	.1
TOTAL		-	-	-	-	-	-	3	.1			3	.1
TOTAL		588	8.2	15	.2	-	-	3,391	46.4			3,995	54.8

TABLE III. -- (Continued)

2000 FORAGE CROPS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION													
INSECTS	4500	610	10.1	-	-	-	-	2,053	32.8			2,663	42.9
DISEASES PARASITES & NEMA	4600	763	12.6	-	-	-	-	1,168	18.7			1,931	31.3
WEEDS	4700	147	2.9	-	-	-	-	397	7.2			545	10.1
POLLUTANTS	4830	39	.9	-	-	-	-	174	2.7			214	3.6
CLIMATIC EXTREMES	4840	96	1.3	-	-	-	-	25	.5			121	1.8
SPOILAGE ORGANISMS	4870	9	.2	-	-	-	-	109	1.0			119	1.2
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	17	.4			17	.4
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	27	.1			27	.1
TOTAL		1,665	28.0	-	-	-	-	3,972	63.4			5,637	91.4
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	235	3.3	-	-	-	-	1,235	21.4			1,469	24.7
IMPROVING BIOLOGICAL EFFIC	5000	2,285	36.2	-	-	-	-	7,427	108.4			9,712	144.6
CONSUMER ACCEPTABILITY	5100	36	.8	-	-	-	-	86	2.6			122	3.4
MECHANIZATION	5200	318	4.4	-	-	-	-	470	7.7			787	12.1
MANAGEMENT	5300	49	1.0	-	-	-	-	493	5.0			541	6.0
TOTAL		2,923	45.7	-	-	-	-	9,710	145.1			12,633	190.8
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	-	-	-	-	-	-	15	.3			15	.3
DEVEL FOOD PRODUCTS	5500	138	2.2	-	-	-	-	51	.4			189	2.6
TOTAL		138	2.2	-	-	-	-	66	.7			204	2.9
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	-	-	5	.1	-	-	138	1.6			143	1.7
IMPROVING MARKETING	5900	26	.8	24	.5	-	-	20	.4			69	1.7
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	123	1.9	-	-	22	.4			145	2.3
TOTAL		26	.8	152	2.5	-	-	180	2.4			358	5.7
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	33	.5			33	.5
TOTAL		-	-	-	-	-	-	33	.5			33	.5
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	13	.1			13	.1
TOTAL		-	-	-	-	-	-	13	.1			13	.1
TOTAL		4,752	76.7	152	2.5	-	-	13,974	212.2			18,879	291.4

2200 COTTONSEED

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION													
SPOILAGE ORGANISMS	4870	188	3.3	-	-	-	-	-	-			188	3.3
ALLERGINS, TOXINS, POIS PLANTS	4880	247	4.0	-	-	-	-	28	.5			275	4.5
TOTAL		435	7.3	-	-	-	-	28	.5			463	7.8
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	4	.1	-	-	-	-	31	.3			35	.4
CONSUMER ACCEPTABILITY	5100	69	1.0	-	-	-	-	-	-			69	1.0
MECHANIZATION	5200	198	2.4	-	-	-	-	-	-			198	2.4
TOTAL		271	3.5	-	-	-	-	31	.3			302	3.8
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	704	10.5	-	-	-	-	94	.8			798	11.3
DEVEL FOOD PRODUCTS	5500	504	7.6	-	-	-	-	19	.2			522	7.8
TOTAL		1,207	18.1	-	-	-	-	113	1.0			1,320	19.1
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	33	.5	-	-	-	-	-	-			33	.5
IMPROVING MARKETING	5900	19	.0	-	-	-	-	7	.1			26	.1
ANALYZE SUPPLY, PRICE, DEMAND	60[illegible]	-	-	7	.1	-	-	-	-			7	.1
TOTAL		52	.5	7	.1	-	-	7	.1			67	.7
TOTAL		1,966	29.4	7	.1	-	-	178	1.9			2,151	31.4

TABLE III. -- (Continued)

2300 SOYBEANS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	586	8.7	-	-	-	-	1,498	23.3	2,083	32.0
DISEASES PARASITES & NEMA	4600	1,063	15.8	-	-	-	-	1,544	24.6	2,607	40.4
WEEDS	4700	444	6.8	-	-	-	-	964	12.1	1,408	18.9
POLLUTANTS	4830	80	.0	-	-	-	-	34	.3	113	.3
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	38	.5	38	.5
SPOILAGE ORGANISMS	4870	6	.1	-	-	-	-	53	.7	59	.8
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	20	.4	20	.4
TOTAL		2,178	31.4	-	-	-	-	4,151	61.9	6,329	93.3
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	254	3.4	-	-	-	-	712	13.7	966	17.1
IMPROVING BIOLOGICAL EFFIC	5000	828	10.4	-	-	-	-	5,229	69.7	6,057	80.1
CONSUMER ACCEPTABILITY	5100	256	3.3	-	-	-	-	12	.3	268	3.6
MECHANIZATION	5200	216	2.4	-	-	-	-	214	4.4	430	6.8
MANAGEMENT	5300	-	-	-	-	-	-	102	2.0	102	2.0
TOTAL		1,553	19.5	-	-	-	-	6,269	90.1	7,823	109.6
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	511	9.5	-	-	-	-	225	4.2	736	13.7
DEVEL FOOD PRODUCTS	5500	590	10.9	-	-	-	-	175	3.1	765	14.0
TOTAL		1,101	20.4	-	-	-	-	400	7.3	1,501	27.7
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	80	1.0	-	-	-	-	164	2.5	244	3.5
IMPROVING MARKETING	5900	59	.7	175	3.7	-	-	142	2.6	375	7.0
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	186	3.9	-	-	124	2.9	310	6.8
FOREIGN TRADE	6200	165	2.5	-	-	-	-	57	.7	222	3.2
TOTAL		304	4.2	361	7.6	-	-	487	8.7	1,151	20.5
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	209	3.4	-	-	-	-	69	1.1	278	4.5
TOTAL		209	3.4	-	-	-	-	69	1.1	278	4.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	9	.2	9	.2
TOTAL		-	-	-	-	-	-	9	.2	9	.2
TOTAL		5,345	78.9	361	7.6	-	-	11,386	169.3	17,091	255.8

2400 PEANUTS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	594	9.4	-	-	-	-	378	4.9	971	14.3
DISEASES PARASITES & NEMA	4600	161	2.7	-	-	-	-	911	14.3	1,071	17.0
WEEDS	4700	47	.8	-	-	-	-	165	1.9	212	2.7
POLLUTANTS	4830	15	.3	-	-	-	-	50	.5	65	.8
SPOILAGE ORGANISMS	4870	391	7.8	-	-	-	-	42	.7	433	8.5
ALLERGINS, TOXINS, POIS PLANTS	4880	264	4.2	-	-	-	-	27	.7	291	4.9
TOTAL		1,471	25.2	-	-	-	-	1,572	23.0	3,043	48.2
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	172	2.5	172	2.5
IMPROVING BIOLOGICAL EFFIC	5000	117	2.1	-	-	-	-	929	12.1	1,046	14.2
CONSUMER ACCEPTABILITY	5100	78	1.3	-	-	-	-	42	.5	121	1.8
MECHANIZATION	5200	165	2.2	-	-	-	-	90	1.5	255	3.7
MANAGEMENT	5300	-	-	-	-	-	-	28	.5	28	.5
TOTAL		360	5.6	-	-	-	-	1,261	17.1	1,620	22.7
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	169	2.6	-	-	-	-	261	5.0	429	7.6
DEVEL FOOD PRODUCTS	5500	580	7.9	-	-	-	-	141	1.9	721	9.8
TOTAL		749	10.5	-	-	-	-	402	6.9	1,150	17.4
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	240	4.3	-	-	-	-	174	2.3	414	6.6
IMPROVING MARKETING	5900	236	3.9	8	.1	-	-	-	-	244	4.0
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	15	.2	-	-	-	-	15	.2
FOREIGN TRADE	6200	-	-	-	-	-	-	8	.1	8	.1
TOTAL		476	8.2	23	.3	-	-	182	2.4	681	10.9
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	13	.3	13	.3
TOTAL		-	-	-	-	-	-	13	.3	13	.3
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	32	.5	32	.5
TOTAL		-	-	-	-	-	-	32	.5	32	.5
TOTAL		3,055	49.5	23	.3	-	-	3,462	50.2	6,540	100.0

TABLE III. -- (Continued)

2500 OTHER OILSEED AND OILCROPS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS / FS / SRS		CSRS / SAES / OCI		TOTAL	
								FORESTRY	SCHL		
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	-	-	-	-	-	-	103	1.9	103	1.9
DISEASES PARASITES & NEMA	4600	269	4.1	-	-	-	-	137	2.6	406	6.7
WEEDS	4700	37	.7	-	-	-	-	-	-	37	.7
POLLUTANTS	4830	122	2.6	-	-	-	-	-	-	122	2.6
CLIMATIC EXTREMES	4840	26	.4	-	-	-	-	-	-	26	.4
ALLERGINS, TOXINS, POIS PLANTS	4880	68	1.4	-	-	-	-	-	-	68	1.4
TOTAL		522	9.2	-	-	-	-	240	4.5	762	13.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	44	.9	-	-	-	-	68	1.3	112	2.2
IMPROVING BIOLOGICAL EFFIC	5000	470	8.8	-	-	-	-	569	5.7	1,039	14.5
CONSUMER ACCEPTABILITY	5100	45	.8	-	-	-	-	21	.4	66	1.2
MECHANIZATION	5200	-	-	-	-	-	-	2	.1	2	.1
MANAGEMENT	5300	-	-	-	-	-	-	4	.2	4	.2
TOTAL		558	10.5	-	-	-	-	665	7.7	1,223	18.2
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	61	1.1	-	-	-	-	31	.2	92	1.3
DEVEL FOOD PRODUCTS	5500	184	3.1	-	-	-	-	16	.1	199	3.2
TOTAL		245	4.2	-	-	-	-	47	.3	292	4.5
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	6	.1	-	-	-	-	19	.5	25	.6
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	52	.8	-	-	5	.2	57	1.0
FOREIGN TRADE	6200	-	-	-	-	-	-	7	.1	7	.1
TOTAL		6	.1	52	.8	-	-	31	.8	89	1.7
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	0	.0	0	.0
TOTAL		-	-	-	-	-	-	0	.0	0	.0
TOTAL		1,331	24.0	52	.8	-	-	983	13.3	2,366	38.1

2700 SUGAR CROPS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS / FS / SRS		CSRS / SAES / OCI		TOTAL	
								FORESTRY	SCHL		
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	433	5.8	-	-	-	-	259	4.6	692	10.4
DISEASES PARASITES & NEMA	4600	1,576	22.3	-	-	-	-	616	11.1	2,192	33.4
WEEDS	4700	180	2.8	-	-	-	-	212	3.6	392	6.4
FIRE	4810	15	.2	-	-	-	-	-	-	15	.2
POLLUTANTS	4830	112	.0	-	-	-	-	62	.5	174	.5
CLIMATIC EXTREMES	4840	15	.2	-	-	-	-	15	.3	30	.5
SPOILAGE ORGANISMS	4870	33	.5	-	-	-	-	3	.2	36	.7
TOTAL		2,363	31.8	-	-	-	-	1,166	20.3	3,530	52.1
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	58	.9	-	-	-	-	156	2.6	213	3.5
IMPROVING BIOLOGICAL EFFIC	5000	1,077	15.8	-	-	-	-	1,428	21.9	2,505	37.7
CONSUMER ACCEPTABILITY	5100	283	4.1	-	-	-	-	3	.2	286	4.3
MECHANIZATION	5200	164	1.4	-	-	-	-	246	3.5	409	4.9
MANAGEMENT	5300	-	-	-	-	-	-	85	1.3	85	1.3
TOTAL		1,582	22.2	-	-	-	-	1,917	29.5	3,499	51.7
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	142	2.3	-	-	-	-	15	.4	157	2.7
DEVEL FOOD PRODUCTS	5500	148	1.1	-	-	-	-	-	-	148	1.1
TOTAL		290	3.4	-	-	-	-	15	.4	305	3.8
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	-	-	-	-	-	-	59	2.2	59	2.2
IMPROVING MARKETING	5900	-	-	-	-	-	-	9	.3	9	.3
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	67	2.0	-	-	-	-	67	2.0
TOTAL		-	-	67	2.0	-	-	68	2.5	136	4.5
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUIRITIONAL VALUES	6300	-	-	-	-	-	-	8	.1	8	.1
TOTAL		-	-	-	-	-	-	8	.1	8	.1
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	22	.7	-	-	-	-	22	.7
TOTAL		-	-	22	.7	-	-	-	-	22	.7
TOTAL		4,236	57.4	90	2.7	-	-	3,174	52.8	7,500	112.9

TABLE III. -- (Continued)

2800 MISCELLANEOUS AND NEW CROPS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	209	2.7	-	-	-	-	175	2.1	384	4.8
DISEASES PARASITES & NEMA	4600	288	3.1	-	-	-	-	188	3.2	476	6.3
WEEDS	4700	13	.2	-	-	-	-	93	2.0	106	2.2
SPOILAGE ORGANISMS	4870	-	-	-	-	-	-	5	.1	5	.1
ALLERGINS, TOXINS, POIS PLANTS	4880	1,005	12.7	-	-	-	-	-	-	1,005	12.7
RADIATION NOISE AND OTHER	4890	69	1.0	-	-	-	-	12	.3	81	1.3
TOTAL		1,584	19.7	-	-	-	-	473	7.7	2,057	27.4
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	40	.6	-	-	-	-	151	1.8	191	2.4
IMPROVING BIOLOGICAL EFFIC	5000	861	8.9	-	-	-	-	615	8.8	1,476	17.7
CONSUMER ACCEPTABILITY	5100	46	.9	-	-	-	-	10	.0	56	.9
MECHANIZATION	5200	33	.5	-	-	-	-	14	.3	47	.8
MANAGEMENT	5300	-	-	-	-	-	-	16	.4	16	.4
TOTAL		980	10.9	-	-	-	-	806	11.3	1,785	22.2
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	-	-	-	-	-	-	86	.9	86	.9
DEVEL FOOD PRODUCTS	5500	-	-	-	-	-	-	19	.2	19	.2
TOTAL		-	-	-	-	-	-	106	1.1	106	1.1
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	-	-	-	-	-	-	94	1.5	94	1.5
IMPROVING MARKETING	5900	-	-	-	-	-	-	40	.1	40	.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	0	.0	0	.0
TOTAL		-	-	-	-	-	-	134	1.6	134	1.6
TOTAL		2,564	30.6	-	-	-	-	1,518	21.7	4,082	52.3

2900 POULTRY

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	404	5.4	-	-	-	-	175	5.2	579	10.6
DISEASES PARASITES & NEMA	4600	4,443	39.0	-	-	-	-	4,147	60.0	8,589	99.0
POLLUTANTS	4830	348	4.6	-	-	-	-	533	6.9	881	11.5
CLIMATIC EXTREMES	4840	390	4.9	-	-	-	-	115	2.8	504	7.7
SPOILAGE ORGANISMS	4870	882	12.4	-	-	-	-	208	3.3	1,090	15.7
ALLERGINS, TOXINS, POIS PLANTS	4880	571	6.3	-	-	-	-	305	4.3	876	10.6
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	79	.8	79	.8
TOTAL		7,036	72.6	-	-	-	-	5,562	83.3	12,598	155.9
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	112	1.5	-	-	-	-	4,175	48.0	4,286	49.5
IMPROVING BIOLOGICAL EFFIC	5000	837	9.5	-	-	-	-	7,925	83.7	8,761	93.2
CONSUMER ACCEPTABILITY	5100	229	3.4	-	-	-	-	271	4.4	500	7.8
MECHANIZATION	5200	256	1.0	-	-	-	-	630	7.3	885	8.3
MANAGEMENT	5300	-	-	-	-	-	-	152	2.3	152	2.3
TOTAL		1,433	15.4	-	-	-	-	13,152	145.7	14,586	161.1
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	355	6.6	-	-	-	-	778	11.6	1,134	18.2
DEVEL FOOD PRODUCTS	5500	359	6.4	-	-	-	-	340	5.8	699	12.2
TOTAL		715	13.0	-	-	-	-	1,118	17.4	1,832	30.4
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	21	.3	-	-	-	-	362	5.8	382	6.1
IMPROVING MARKETING	5900	307	5.4	243	2.9	-	-	83	2.4	633	10.7
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	142	2.3	-	-	69	1.4	211	3.7
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	35	1.2	35	1.2
TOTAL		328	5.7	386	5.2	-	-	548	10.8	1,262	21.7
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	108	2.1	108	2.1
TOTAL		-	-	-	-	-	-	108	2.1	108	2.1
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	181	4.9	-	-	71	1.3	252	6.2
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	12	.2	12	.2
TOTAL		-	-	181	4.9	-	-	83	1.5	264	6.4
TOTAL		9,512	106.7	566	10.1	-	-	20,573	260.8	30,651	377.6

TABLE III. -- (Continued)

3000 BEEF CATTLE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,818	21.7	-	-	-	-	637	10.8	2,455	32.5
DISEASES PARASITES & NEMA	4600	5,628	35.7	7	.1	-	-	3,761	46.2	9,396	82.0
WEEDS	4700	-	-	-	-	-	-	16	.4	16	.4
POLLUTANTS	4830	1,260	16.5	-	-	-	-	552	6.7	1,812	23.2
CLIMATIC EXTREMES	4840	61	.7	67	1.0	-	-	78	.9	206	2.6
RODENTS AND OTHER MAMMALS	4860	-	-	31	.2	-	-	-	-	31	.2
SPOILAGE ORGANISMS	4870	248	5.0	-	-	-	-	101	.9	349	5.9
ALLERGINS, TOXINS, POIS PLANTS	4880	1,328	17.7	-	-	-	-	280	5.2	1,608	22.9
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	24	.4	24	.4
TOTAL		10,343	97.3	105	1.3	-	-	5,449	71.5	15,897	170.1
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	328	3.2	-	-	-	-	2,245	22.6	2,573	25.8
IMPROVING BIOLOGICAL EFFIC	5000	3,198	21.5	-	-	-	-	22,274	174.4	25,472	195.9
CONSUMER ACCEPTABILITY	5100	232	1.9	-	-	-	-	956	8.1	1,189	10.0
MECHANIZATION	5200	55	1.0	-	-	-	-	1,250	7.0	1,305	8.0
MANAGEMENT	5300	186	1.0	-	-	-	-	2,270	20.7	2,456	21.7
TOTAL		3,999	28.6	-	-	-	-	28,995	232.8	32,995	261.4
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	149	2.5	-	-	-	-	937	12.3	1,086	14.8
DEVEL FOOD PRODUCTS	5500	1,015	16.2	-	-	-	-	383	4.7	1,398	20.9
TOTAL		1,163	18.7	-	-	-	-	1,320	17.0	2,483	35.7
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	138	2.7	-	-	-	-	595	9.5	733	12.2
IMPROVING MARKETING	5900	227	4.2	87	2.1	-	-	561	12.8	875	19.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	199	3.1	-	-	375	8.6	574	11.7
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	83	1.4	83	1.4
FOREIGN TRADE	6200	-	-	-	-	-	-	26	.4	26	.4
TOTAL		365	6.9	286	5.2	-	-	1,641	32.7	2,292	44.8
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	180	2.0	180	2.0
TOTAL		-	-	-	-	-	-	180	2.0	180	2.0
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	258	3.4	-	-	-	-	258	3.4
TOTAL		-	-	258	3.4	-	-	-	-	258	3.4
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	27	1.1	-	-	5	.3	33	1.4
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	3	.1	3	.1
TOTAL		-	-	27	1.1	-	-	8	.4	35	1.5
TOTAL		15,870	151.5	677	11.0	-	-	37,593	356.4	54,140	518.9

3100 DAIRY CATTLE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	1,063	14.1	-	-	-	-	472	6.3	1,535	20.4
DISEASES PARASITES & NEMA	4600	5,198	37.6	-	-	-	-	3,276	40.6	8,474	78.2
POLLUTANTS	4830	1,586	23.6	-	-	-	-	872	12.4	2,457	36.0
CLIMATIC EXTREMES	4840	118	1.3	-	-	-	-	-	-	118	1.3
SPOILAGE ORGANISMS	4870	70	1.2	-	-	-	-	346	4.2	415	5.4
ALLERGINS, TOXINS, POIS PLANTS	4880	324	3.4	-	-	-	-	284	3.0	608	6.4
TOTAL		8,358	81.2	-	-	-	-	5,250	66.5	13,608	147.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	140	1.8	-	-	-	-	2,994	31.8	3,134	33.6
IMPROVING BIOLOGICAL EFFIC	5000	2,484	21.8	-	-	-	-	14,606	127.9	17,090	149.7
CONSUMER ACCEPTABILITY	5100	222	1.8	-	-	-	-	275	3.7	497	5.5
MECHANIZATION	5200	63	.9	-	-	-	-	854	7.4	917	8.3
MANAGEMENT	5300	96	.7	-	-	-	-	1,207	11.3	1,304	12.0
TOTAL		3,005	27.0	-	-	-	-	19,936	182.1	22,941	209.1
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	875	12.5	-	-	-	-	1,079	15.7	1,954	28.2
DEVEL FOOD PRODUCTS	5500	196	2.8	-	-	-	-	1,503	20.8	1,698	23.6
TOTAL		1,070	15.3	-	-	-	-	2,582	36.5	3,652	51.8
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	48	.6	-	-	-	-	872	10.6	920	11.2
IMPROVING MARKETING	5900	64	1.5	95	1.8	-	-	316	5.6	475	8.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	176	3.0	-	-	277	4.9	453	7.9
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	136	2.3	136	2.3
FOREIGN TRADE	6200	-	-	-	-	-	-	11	.1	11	.1
TOTAL		112	2.1	271	4.8	-	-	1,611	23.5	1,995	30.4
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	422	5.4	-	-	-	-	247	3.0	669	8.4
TOTAL		422	5.4	-	-	-	-	247	3.0	669	8.4
G. DEVELOPMENT OF HUMAN RESOURCES											
ECONOMIC DEVELOPMENT	6600	-	-	81	1.2	-	-	-	-	81	1.2
TOTAL		-	-	81	1.2	-	-	-	-	81	1.2
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	411	6.9	-	-	111	2.5	522	9.4
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	12	.2	12	.2
TOTAL		-	-	411	6.9	-	-	123	2.7	534	9.6
TOTAL		12,968	131.0	764	12.9	-	-	29,749	314.3	43,481	458.2

TABLE III. -- (Continued)

3200 SWINE

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS		SY		FUNDS	SY
B. PROTECTION													
INSECTS	4500	80	1.1	-	-	-	-	139		1.5		219	2.6
DISEASES PARASITES & NEMA	4600	4,077	24.2	-	-	-	-	2,272		28.2		6,348	52.4
POLLUTANTS	4830	263	1.8	-	-	-	-	403		4.8		666	6.6
CLIMATIC EXTREMES	4840	32	.4	-	-	-	-	90		1.0		122	1.4
SPOILAGE ORGANISMS	4870	65	1.3	-	-	-	-	82		1.0		147	2.3
ALLERGINS, TOXINS, POIS PLANTS	4880	483	6.6	-	-	-	-	119		1.9		601	8.5
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	19		.5		19	.5
TOTAL		4,999	35.4	-	-	-	-	3,122		38.9		8,121	74.3
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	237	1.4	-	-	-	-	2,147		16.4		2,383	17.8
IMPROVING BIOLOGICAL EFFIC	5000	1,779	10.2	-	-	-	-	8,838		70.6		10,617	80.8
CONSUMER ACCEPTABILITY	5100	112	.8	-	-	-	-	268		2.0		380	2.8
MECHANIZATION	5200	90	.2	-	-	-	-	287		4.6		377	4.8
MANAGEMENT	5300	-	-	-	-	-	-	204		2.0		204	2.0
TOTAL		2,217	12.6	-	-	-	-	11,744		95.6		13,961	108.2
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	83	1.2	-	-	-	-	435		5.0		518	6.2
DEVEL FOOD PRODUCTS	5500	219	3.4	-	-	-	-	180		2.0		400	5.4
TOTAL		302	4.6	-	-	-	-	616		7.0		918	11.6
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	103	1.8	-	-	-	-	286		5.1		389	6.9
IMPROVING MARKETING	5900	175	3.2	87	2.1	-	-	217		4.2		478	9.5
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	159	2.4	-	-	68		1.4		227	3.8
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	4		.1		4	.1
FOREIGN TRADE	6200	-	-	-	-	-	-	6		.1		6	.1
TOTAL		278	5.0	245	4.5	-	-	581		10.9		1,104	20.4
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	51	.4	-	-	-	-	112		1.1		163	1.5
TOTAL		51	.4	-	-	-	-	112		1.1		163	1.5
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	172	2.2	-	-	-		-		172	2.2
TOTAL		-	-	172	2.2	-	-	-		-		172	2.2
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	27	1.1	-	-	-		-		27	1.1
TOTAL		-	-	27	1.1	-	-	-		-		27	1.1
TOTAL		7,848	58.0	445	7.8	-	-	16,175		153.5		24,468	219.3

3300 SHEEP AND WOOL

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS		SY		FUNDS	SY
B. PROTECTION													
INSECTS	4500	277	3.1	-	-	-	-	29		.3		307	3.4
DISEASES PARASITES & NEMA	4600	1,256	9.1	66	.6	-	-	890		11.6		2,213	21.3
WEEDS	4700	-	-	-	-	-	-	5		.1		5	.1
POLLUTANTS	4830	93	.7	-	-	-	-	83		1.5		175	2.2
CLIMATIC EXTREMES	4840	8	.0	-	-	-	-	11		.1		20	.1
RODENTS AND OTHER MAMMALS	4860	323	3.1	282	1.7	-	-	143		1.3		747	6.1
SPOILAGE ORGANISMS	4870	4	.1	-	-	-	-	5		.0		9	.1
ALLERGINS, TOXINS, POIS PLANTS	4880	258	2.8	-	-	-	-	36		.6		294	3.4
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	26		.4		26	.4
TOTAL		2,219	18.9	348	2.3	-	-	1,228		15.9		3,796	37.1
C. PRODUCTION AND QUALITY IMPROVEMENT													
BIOLOGY OF PLANTS AND ANIMALS	4900	249	1.9	-	-	-	-	1,021		9.8		1,270	11.7
IMPROVING BIOLOGICAL EFFIC	5000	1,281	7.5	-	-	-	-	3,541		37.7		4,822	45.2
CONSUMER ACCEPTABILITY	5100	297	1.0	-	-	-	-	161		1.8		457	2.8
MECHANIZATION	5200	10	.0	-	-	-	-	350		4.5		360	4.5
MANAGEMENT	5300	27	.1	-	-	-	-	202		1.8		229	1.9
TOTAL		1,864	10.5	-	-	-	-	5,274		55.6		7,139	66.1
D. PRODUCT DEVELOPMENT & PROCESSING													
PROPERTIES OF FOOD PRODUCTS	5400	38	.5	-	-	-	-	139		2.6		177	3.1
DEVEL FOOD PRODUCTS	5500	33	.5	-	-	-	-	30		.9		63	1.4
TOTAL		71	1.0	-	-	-	-	169		3.5		240	4.5
E. MARKETING, PRICING & QUALITY													
IDENTIFICATION & QUALITY	5800	41	.8	-	-	-	-	132		2.0		173	2.8
IMPROVING MARKETING	5900	24	.6	19	.5	-	-	32		1.0		76	2.1
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	93	1.0	-	-	9		.4		102	1.4
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	9		.1		9	.1
FOREIGN TRADE	6200	-	-	-	-	-	-	1		.0		1	.0
TOTAL		66	1.4	112	1.5	-	-	183		3.5		361	6.4
F. NUTRITION, SHELTER & CONS. SATISFCTN													
NUTRITIONAL VALUES	6300	-	-	-	-	-	-	27		.8		27	.8
TOTAL		-	-	-	-	-	-	27		.8		27	.8
TOTAL		4,221	31.8	460	3.8	-	-	6,882		79.3		11,563	114.9

TABLE III. -- (Continued)

3400 OTHER ANIMALS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	226	3.0	-	-	-	-	577	8.2	803	11.2
DISEASES PARASITES & NEMA	4600	1,505	9.8	-	-	-	-	1,522	25.2	3,027	35.0
WEEDS	4700	-	-	-	-	-	-	13	.3	13	.3
POLLUTANTS	4830	-	-	-	-	-	-	300	3.9	300	3.9
CLIMATIC EXTREMES	4840	-	-	-	-	-	-	25	.6	25	.6
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	17	.2	17	.2
ALLERGINS, TOXINS, POIS PLANTS	4880	67	.8	-	-	-	-	198	2.3	265	3.1
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	13	.4	13	.4
TOTAL		1,798	13.6	-	-	-	-	2,664	41.1	4,463	54.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	1,648	19.2	1,648	19.2
IMPROVING BIOLOGICAL EFFIC	5000	5	.1	-	-	-	-	1,547	21.4	1,552	21.5
CONSUMER ACCEPTABILITY	5100	-	-	-	-	-	-	2	.1	2	.1
MECHANIZATION	5200	-	-	-	-	-	-	3	.0	3	.0
TOTAL		5	.1	-	-	-	-	3,200	40.7	3,205	40.8
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	-	-	-	-	-	-	24	.2	24	.2
IMPROVING MARKETING	5900	-	-	-	-	-	-	14	.4	14	.4
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	11	.1	-	-	-	-	11	.1
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	4	.0	4	.0
TOTAL		-	-	11	.1	-	-	41	.6	52	.7
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	108	.9	-	-	-	-	369	5.7	476	6.6
TOTAL		108	.9	-	-	-	-	369	5.7	476	6.6
TOTAL		1,911	14.6	11	.1	-	-	6,275	88.1	8,196	102.8

3500 BEES AND HONEY AND OTHER POLLINATING INSECTS

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
DISEASES PARASITES & NEMA	4600	132	1.6	-	-	-	-	54	1.2	186	2.8
POLLUTANTS	4830	65	1.2	-	-	-	-	-	-	65	1.2
CLIMATIC EXTREMES	4840	33	.6	-	-	-	-	-	-	33	.6
TOTAL		317	5.0	-	-	-	-	192	2.4	509	7.4
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	139	2.1	-	-	-	-	315	4.7	454	6.8
IMPROVING BIOLOGICAL EFFIC	5000	1,080	17.4	-	-	-	-	174	3.0	1,254	20.4
MECHANIZATION	5200	158	2.4	-	-	-	-	35	.9	192	3.3
MANAGEMENT	5300	-	-	-	-	-	-	35	.9	35	.9
TOTAL		1,376	21.9	-	-	-	-	559	9.5	1,935	31.4
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	65	1.2	-	-	-	-	-	-	65	1.2
DEVEL FOOD PRODUCTS	5500	-	-	-	-	-	-	27	.3	27	.3
TOTAL		65	1.2	-	-	-	-	27	.3	93	1.5
TOTAL		1,758	28.1	-	-	-	-	779	12.2	2,537	40.3

3600 GENERAL PURPOSE FARM SUPPLIES & FACILITIES

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
POLLUTANTS	4830	-	-	-	-	-	-	20	.6	20	.6
SPOILAGE ORGANISMS	4870	1	0.0	-	-	-	-	-	-	1	.0
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	39	.6	39	.6
RADIATION NOISE AND OTHER	4890	46	.6	-	-	-	-	-	-	46	.6
TOTAL		47	.6	-	-	-	-	58	1.2	105	1.8
C. PRODUCTION AND QUALITY IMPROVEMENT											
MECHANIZATION	5200	317	3.4	-	-	-	-	994	14.5	1,311	17.9
TOTAL		317	3.4	-	-	-	-	994	14.5	1,311	17.9
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	-	-	-	-	-	-	62	1.1	62	1.1
IMPROVING MARKETING	5900	-	-	-	-	-	-	45	.9	45	.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	757	18.8	-	-	34	.8	792	19.6
TOTAL		-	-	757	18.8	-	-	141	2.8	898	21.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	95	1.9	-	-	15	.2	109	2.1
TOTAL		-	-	95	1.9	-	-	15	.2	109	2.1
TOTAL		364	4.0	852	20.7	-	-	1,208	18.7	2,424	43.4

TABLE III. -- (Continued)

3800 FOOD (NOT ASSOCIATED WITH SPECIFIC PRODUCTS)

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	-	-	-	-	-	-	192	2.6	192	2.6
DISEASES PARASITES & NEMA	4600	-	-	-	-	-	-	57	.7	57	.7
WEEDS	4700	-	-	-	-	-	-	17	.1	17	.1
POLLUTANTS	4830	-	-	-	-	-	-	270	2.5	270	2.5
SPCILAGE ORGANISMS	4870	-	-	-	-	-	-	920	12.4	920	12.4
ALLERGINS, TOXINS, POIS PLANTS	4880	175	2.2	-	-	-	-	902	12.3	1,077	14.5
RADIATION NOISE AND OTHER	4890	-	-	-	-	-	-	25	.2	25	.2
TOTAL		175	2.2	-	-	-	-	2,384	30.8	2,558	33.0
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	36	.6	-	-	-	-	98	1.9	133	2.5
TOTAL		36	.6	-	-	-	-	98	1.9	133	2.5
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	438	9.0	-	-	-	-	817	10.1	1,255	19.1
DEVEL FOOD PRODUCTS	5500	-	-	-	-	-	-	1,285	13.0	1,285	13.0
TOTAL		438	9.0	-	-	-	-	2,102	23.1	2,540	32.1
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	84	1.3	-	-	-	-	522	7.5	607	8.8
IMPROVING MARKETING	5900	552	10.5	-	-	-	-	143	1.9	695	12.4
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	787	16.3	-	-	266	5.7	1,053	22.0
DEVELOPING DOMESTIC MARKETS	6100	-	-	480	9.0	-	-	142	2.1	622	11.1
FOREIGN TRADE	6200	116	.8	-	-	-	-	128	2.2	244	3.0
TOTAL		752	12.6	1,267	25.3	-	-	1,201	19.4	3,221	57.3
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	4,350	51.4	64	5.4	-	-	3,772	70.6	8,186	127.4
TOTAL		4,350	51.4	64	5.4	-	-	3,772	70.6	8,186	127.4
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	9	.2	9	.2
SOCIAL WELL BEING	6700	-	-	-	-	-	-	9	.2	9	.2
TOTAL		-	-	-	-	-	-	18	.4	18	.4
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	1,033	18.9	-	-	51	1.1	1,084	20.0
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	69	.4	69	.4
TOTAL		-	-	1,033	18.9	-	-	120	1.5	1,153	20.4
TOTAL		5,751	75.8	2,363	49.6	-	-	9,695	147.7	17,810	273.1

3900 HOUSING EQUIPMENT & FURNISHING

ACTIVITY GROUP / ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DEVEL CONSER & MAN	4300	91	.8	-	-	-	-	133	2.2	224	3.0
TOTAL		91	.8	-	-	-	-	133	2.2	224	3.0
B. PROTECTION											
INSECTS	4500	-	-	-	-	-	-	217	4.5	217	4.5
RADIATION NOISE AND OTHER	4890	43	.5	-	-	-	-	-	-	43	.5
TOTAL		43	.5	-	-	-	-	217	4.5	260	5.0
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	35	.9	35	.9
IMPROVING BIOLOGICAL EFFIC	5000	-	-	-	-	-	-	11	.3	11	.3
MECHANIZATION	5200	121	.3	-	-	-	-	104	1.9	225	2.2
MANAGEMENT	5300	-	-	-	-	-	-	2	.1	2	.1
TOTAL		121	.3	-	-	-	-	153	3.2	273	3.5
E. MARKETING, PRICING & QUALITY											
IMPROVING MARKETING	5900	136	2.7	-	-	-	-	9	.1	145	2.8
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	1	.2	1	.2
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	2	.1	2	.1
TOTAL		136	2.7	-	-	-	-	12	.4	148	3.1
F. NUTRITION, SHELTER & CONS. SATISFCTN											
QUALITY OF FAMILY LIVING	6400	-	-	40	.9	-	-	-	-	40	.9
TOTAL		-	-	40	.9	-	-	-	-	40	.9
TOTAL		391	4.3	40	.9	-	-	515	10.3	946	15.5

TABLE III. -- (Continued)

4000 PEOPLE AS INDIV. WORKERS, CONSUMERS AND MEMBERS OF SOC.

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
SPOILAGE ORGANISMS	4870	-	-	-	-	-	-	93	.7	93	.7
ALLERGINS, TOXINS, POIS PLANTS	4880	-	-	-	-	-	-	129	.9	129	.9
TOTAL		-	-	-	-	-	-	222	1.6	222	1.6
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	2,236	26.2	-	-	-	-	3,736	55.5	5,972	81.7
TOTAL		2,236	26.2	-	-	-	-	3,736	55.5	5,972	81.7
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	361	4.1	-	-	-	-	361	4.1
ECONOMIC DEVELOPMENT	6600	-	-	11	.2	-	-	-	-	11	.2
SOCIAL WELL BEING	6700	-	-	3	.1	-	-	889	13.2	892	13.3
TOTAL		-	-	374	4.4	-	-	889	13.2	1,264	17.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	2	.1	2	.1
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	65	1.4	65	1.4
TOTAL		-	-	-	-	-	-	67	1.5	67	1.5
TOTAL		2,236	26.2	374	4.4	-	-	4,915	71.8	7,525	102.4

4100 THE FAMILY AND ITS MEMBERS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
F. NUTRITION, SHELTER & CONS. SATISFCTN											
NUTRITIONAL VALUES	6300	105	1.1	-	-	-	-	227	5.0	332	6.1
TOTAL		105	1.1	-	-	-	-	227	5.0	332	6.1
G. DEVELOPMENT OF HUMAN RESOURCES											
DESCRIPTION INV & TRENDS	6500	-	-	97	1.4	-	-	-	-	97	1.4
ECONOMIC DEVELOPMENT	6600	-	-	29	.5	-	-	-	-	29	.5
SOCIAL WELL BEING	6700	-	-	59	1.0	-	-	143	1.8	202	2.8
TOTAL		-	-	185	2.9	-	-	143	1.8	328	4.7
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	13	.3	13	.3
TOTAL		-	-	-	-	-	-	382	7.1	673	11.1
TOTAL		105	1.1	185	2.9	-	-	382	7.1	673	11.1

4200 THE FARM AS A BUSINESS ENTERPRISE

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
C. PRODUCTION AND QUALITY IMPROVEMENT											
MANAGEMENT	5300	-	-	-	-	-	-	1,849	33.7	1,849	33.7
TOTAL		-	-	-	-	-	-	1,849	33.7	1,849	33.7
E. MARKETING, PRICING & QUALITY											
FOREIGN TRADE	6200	-	-	-	-	-	-	10	.3	10	.3
TOTAL		-	-	-	-	-	-	10	.3	10	.3
G. DEVELOPMENT OF HUMAN RESOURCES											
ECONOMIC DEVELOPMENT	6600	-	-	346	7.5	-	-	209	4.1	555	11.6
TOTAL		-	-	346	7.5	-	-	209	4.1	555	11.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	52	1.1	-	-	106	2.3	159	3.4
TOTAL		-	-	52	1.1	-	-	106	2.3	159	3.4
TOTAL		-	-	399	8.6	-	-	2,174	40.4	2,573	49.0

4400 AGRICULTURAL ECONOMY OF THE UNITED STATES

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
C. PRODUCTION AND QUALITY IMPROVEMENT											
MANAGEMENT	5300	-	-	-	-	-	-	22	.4	22	.4
TOTAL		-	-	-	-	-	-	22	.4	22	.4
E. MARKETING, PRICING & QUALITY											
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	27	.4	27	.4
FOREIGN TRADE	6200	-	-	-	-	-	-	51	.7	51	.7
TOTAL		-	-	-	-	-	-	77	1.1	77	1.1
G. DEVELOPMENT OF HUMAN RESOURCES											
ECONOMIC DEVELOPMENT	6600	-	-	254	4.2	-	-	573	7.7	828	11.9
TOTAL		-	-	254	4.2	-	-	573	7.7	828	11.9
H. GEN METHODS, TECHNOLOGY & EVALUATION											
EVAL OF PUBLIC PROGRAMS	7300	-	-	853	14.1	-	-	408	4.4	1,262	18.5
TOTAL		-	-	853	14.1	-	-	408	4.4	1,262	18.5
TOTAL		-	-	1,108	18.3	-	-	1,081	13.6	2,189	31.9

TABLE III. -- (Continued)

4500 AGRICULTURAL ECONOMY OF FOREIGN COUNTRIES

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES													
RESOURCE DEVEL CONSER & MAN	4300	-	-	-	-	-	-	59	.2			59	.2
TOTAL		-	-	-	-	-	-	59	.2			59	.2
C. PRODUCTION AND QUALITY IMPROVEMENT													
MECHANIZATION	5200	-	-	-	-	-	-	4	.1			4	.1
TOTAL		-	-	-	-	-	-	4	.1			4	.1
E. MARKETING, PRICING & QUALITY													
FOREIGN TRADE	6200	-	-	2,557	50.8	-	-	207	2.7			2,764	53.5
TOTAL		-	-	2,557	50.8	-	-	207	2.7			2,764	53.5
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	25	.2			25	.2
ECONOMIC DEVELOPMENT	6600	-	-	-	-	-	-	898	8.7			898	8.7
SOCIAL WELL BEING	6700	-	-	-	-	-	-	13	.4			13	.4
TOTAL		-	-	-	-	-	-	935	9.3			935	9.3
TOTAL		-	-	2,557	50.8	-	-	1,205	12.3			3,762	63.1

4600 FARMER COOPERATIVES

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
E. MARKETING, PRICING & QUALITY													
IMPROVING MARKETING	5900	-	-	-	-	1,095	22.0	461	9.4			1,556	31.4
TOTAL		-	-	-	-	1,095	22.0	461	9.4			1,556	31.4
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	3	.1			3	.1
ECONOMIC DEVELOPMENT	6600	-	-	-	-	-	-	14	.2			14	.2
TOTAL		-	-	-	-	-	-	17	.3			17	.3
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	31	.3			31	.3
TOTAL		-	-	-	-	-	-	31	.3			31	.3
TOTAL		-	-	-	-	1,095	22.0	510	10.0			1,605	32.0

4700 MARKETING, PROCESSING AND SUPPLY FIRMS EXCEPT COOPS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
E. MARKETING, PRICING & QUALITY													
IMPROVING MARKETING	5900	165	3.3	-	-	27	.5	531	7.6			723	11.4
DEVELOPING DOMESTIC MARKETS	6100	-	-	81	1.0	-	-	-	-			81	1.0
TOTAL		165	3.3	81	1.0	27	.5	531	7.6			804	12.4
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	3	.0			3	.0
ECONOMIC DEVELOPMENT	6600	-	-	-	-	-	-	19	.5			19	.5
TOTAL		-	-	-	-	-	-	22	.5			22	.5
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	8	.1			8	.1
TOTAL		-	-	-	-	-	-	8	.1			8	.1
TOTAL		165	3.3	81	1.0	27	.5	561	8.2			833	13.0

4800 MARKETING SYSTEMS & SECTORS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
C. PRODUCTION AND QUALITY IMPROVEMENT													
MANAGEMENT	5300	-	-	-	-	-	-	5	.1			5	.1
TOTAL		-	-	-	-	-	-	5	.1			5	.1
E. MARKETING, PRICING & QUALITY													
IMPROVING MARKETING	5900	47	1.0	1,101	22.7	-	-	1,098	20.3			2,246	44.0
TOTAL		47	1.0	1,101	22.7	-	-	1,098	20.3			2,246	44.0
G. DEVELOPMENT OF HUMAN RESOURCES													
DESCRIPTION INV & TRENDS	6500	-	-	-	-	-	-	7	.1			7	.1
ECONOMIC DEVELOPMENT	6600	-	-	-	-	-	-	15	.5			15	.5
TOTAL		-	-	-	-	-	-	22	.6			22	.6
H. GEN METHODS, TECHNOLOGY & EVALUATION													
EVAL OF PUBLIC PROGRAMS	7300	-	-	-	-	-	-	165	3.2			165	3.2
TOTAL		-	-	-	-	-	-	165	3.2			165	3.2
TOTAL		47	1.0	1,101	22.7	-	-	1,289	24.2			2,438	47.9

TABLE III. -- (Continued)

6100 WEEDS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
WEEDS	4700	47	.6	-	-	-	-	227	.6	274	1.2
TOTAL		47	.6	-	-	-	-	227	.6	274	1.2
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	776	11.1	-	-	-	-	521	8.2	1,298	19.3
TOTAL		776	11.1	-	-	-	-	521	8.2	1,298	19.3
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	6	.2	6	.2
TOTAL		-	-	-	-	-	-	6	.2	6	.2
TOTAL		823	11.7	-	-	-	-	754	9.0	1,578	20.7

6200 SEED RESEARCH

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	92	1.4	-	-	-	-	292	5.2	384	6.6
IMPROVING BIOLOGICAL EFFIC	5000	241	1.5	-	-	-	-	-	-	241	1.5
TOTAL		333	2.9	-	-	-	-	292	5.2	625	8.1
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	254	3.9	-	-	-	-	118	1.6	372	5.5
FOREIGN TRADE	6200	-	-	-	-	-	-	2	.0	2	.0
TOTAL		254	3.9	-	-	-	-	120	1.6	374	5.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DEVEL OF TECHNOLOGY	7500	9	.2	-	-	-	-	32	.0	42	.2
TOTAL		9	.2	-	-	-	-	32	.0	42	.2
TOTAL		596	7.0	-	-	-	-	445	6.8	1,041	13.8

6300 BIOLOGICAL CELL SYSTEMS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	-	-	-	-	-	-	6	.2	6	.2
DISEASES PARASITES & NEMA	4600	-	-	-	-	-	-	7	.3	7	.3
POLLUTANTS	4830	-	-	-	-	-	-	50	.8	50	.8
TOTAL		-	-	-	-	-	-	63	1.3	63	1.3
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	13	.1	-	-	-	-	5,839	68.5	5,852	68.6
TOTAL		13	.1	-	-	-	-	5,839	68.5	5,852	68.6
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	60	1.4	60	1.4
TOTAL		-	-	-	-	-	-	60	1.4	60	1.4
TOTAL		13	.1	-	-	-	-	5,962	71.2	5,975	71.3

6400 EXPERIMENTAL DESIGN & STATISTICAL METHODS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY	CSRS SAES OCI SCHL	TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	25	.2	25	.2
TOTAL		-	-	-	-	-	-	25	.2	25	.2
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	1,027	15.5	1,027	15.5
IMPROVEMENT OF STATISTICS	7400	-	-	128	3.2	385	10.7	472	4.7	984	18.6
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	79	1.4	79	1.4
TOTAL		-	-	128	3.2	385	10.7	1,578	21.6	2,090	35.5
TOTAL		-	-	128	3.2	385	10.7	1,603	21.8	2,116	35.7

TABLE III. -- (Continued)

6500 INVERTEBRATES

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	437	5.4	-	-	-	-	867	10.7	1,304	16.1
TOTAL		437	5.4	-	-	-	-	867	10.7	1,304	16.1
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	7,174	113.1	-	-	-	-	6,357	91.4	13,531	204.5
TOTAL		7,174	113.1	-	-	-	-	6,357	91.4	13,531	204.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	41	.7	41	.7
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	87	1.1	87	1.1
TOTAL		-	-	-	-	-	-	128	1.8	128	1.8
TOTAL		7,612	118.5	-	-	-	-	7,352	103.9	14,964	222.4

6600 MICROORGANISMS, VIRUSES ETC

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DEVEL CONSER & MAN	4300	-	-	-	-	-	-	50	.6	50	.6
TOTAL		-	-	-	-	-	-	50	.6	50	.6
B. PROTECTION											
DISEASES PARASITES & NEMA	4600	-	-	-	-	-	-	47	.8	47	.8
POLLUTANTS	4830	-	-	-	-	-	-	13	.3	13	.3
TOTAL		-	-	-	-	-	-	60	1.1	60	1.1
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	505	8.4	-	-	-	-	4,476	62.5	4,981	70.9
TOTAL		505	8.4	-	-	-	-	4,476	62.5	4,981	70.9
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	19	.3	19	.3
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	95	.8	95	.8
TOTAL		-	-	-	-	-	-	114	1.1	114	1.1
TOTAL		505	8.4	-	-	-	-	4,699	65.3	5,205	73.7

6700 PLANTS

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	431	7.1	-	-	-	-	1,263	13.3	1,694	20.4
DISEASES PARASITES & NEMA	4600	122	2.3	-	-	-	-	1,236	17.6	1,358	19.9
WEEDS	4700	144	2.0	-	-	-	-	1,143	18.5	1,287	20.5
POLLUTANTS	4830	1,683	25.5	-	-	-	-	927	15.4	2,610	40.9
BIRDS	4850	-	-	-	-	-	-	66	.6	66	.6
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	63	.9	63	.9
SPOILAGE ORGANISMS	4870	-	-	-	-	-	-	14	.4	14	.4
TOTAL		2,380	36.9	-	-	-	-	4,711	66.7	7,091	103.6
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	2,963	36.5	-	-	-	-	7,206	106.7	10,169	143.2
IMPROVING BIOLOGICAL EFFIC	5000	156	3.4	-	-	-	-	1,973	10.2	2,130	13.6
CONSUMER ACCEPTABILITY	5100	1	.0	-	-	-	-	2	.0	3	.0
MECHANIZATION	5200	120	.4	-	-	-	-	215	2.4	335	2.8
MANAGEMENT	5300	150	.0	-	-	-	-	29	.5	179	.5
TOTAL		3,390	40.3	-	-	-	-	9,425	119.8	12,815	160.1
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	-	-	-	-	-	-	57	1.1	57	1.1
TOTAL		-	-	-	-	-	-	57	1.1	57	1.1
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	191	3.1	-	-	-	-	62	.5	253	3.6
IMPROVING MARKETING	5900	-	-	-	-	-	-	117	.9	117	.9
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	57	1.0	57	1.0
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	2	.0	2	.0
TOTAL		191	3.1	-	-	-	-	238	2.4	430	5.5
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	60	.9	-	-	-	-	56	1.1	116	2.0
EVAL OF PUBLIC PROGRAMS	7300	-	-	61	1.5	-	-	7	.2	68	1.7
DEVEL OF TECHNOLOGY	7500	154	2.6	-	-	-	-	280	2.9	434	5.5
TOTAL		214	3.5	61	1.5	-	-	343	4.2	618	9.2
TOTAL		6,176	83.8	61	1.5	-	-	14,775	194.2	21,012	279.5

TABLE III. -- (Continued)

6800 ANIMALS (VERTEBRATES)

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FORESTRY FUNDS	SCHL SY	FUNDS	SY
B. PROTECTION											
INSECTS	4500	244	3.6	-	-	-	-	293	3.8	536	7.4
DISEASES PARASITES & NEMA	4600	96	1.2	-	-	-	-	1,977	23.4	2,073	24.6
WEEDS	4700	145	1.8	-	-	-	-	25	.5	169	2.3
POLLUTANTS	4830	199	1.7	-	-	-	-	140	2.0	340	3.7
RODENTS AND OTHER MAMMALS	4860	-	-	-	-	-	-	51	.6	51	.6
ALLERGINS, TOXINS, POIS PLANTS	4880	30	.5	-	-	-	-	183	1.6	213	2.1
TOTAL		714	8.8	-	-	-	-	2,668	31.9	3,382	40.7
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	283	4.0	-	-	-	-	2,689	30.4	2,971	34.4
IMPROVING BIOLOGICAL EFFIC	5000	-	-	-	-	-	-	1,208	4.8	1,208	4.8
CONSUMER ACCEPTABILITY	5100	-	-	-	-	-	-	11	.0	11	.0
MECHANIZATION	5200	34	.0	-	-	-	-	86	1.0	120	1.0
MANAGEMENT	5300	-	-	-	-	-	-	20	.1	20	.1
TOTAL		317	4.0	-	-	-	-	4,013	36.3	4,330	40.3
D. PRODUCT DEVELOPMENT & PROCESSING											
PROPERTIES OF FOOD PRODUCTS	5400	-	-	-	-	-	-	35	.6	35	.6
DEVEL FOOD PRODUCTS	5500	-	-	-	-	-	-	2	.1	2	.1
TOTAL		-	-	-	-	-	-	37	.7	37	.7
E. MARKETING, PRICING & QUALITY											
IDENTIFICATION & QUALITY	5800	-	-	-	-	-	-	34	.3	34	.3
IMPROVING MARKETING	5900	-	-	-	-	-	-	40	.3	40	.3
ANALYZE SUPPLY, PRICE, DEMAND	6000	-	-	-	-	-	-	71	1.5	71	1.5
DEVELOPING DOMESTIC MARKETS	6100	-	-	-	-	-	-	0	.0	0	.0
TOTAL		-	-	-	-	-	-	144	2.1	144	2.1
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	19	.3	19	.3
EVAL OF PUBLIC PROGRAMS	7300	-	-	30	.8	-	-	-	-	30	.8
DEVEL OF TECHNOLOGY	7500	-	-	-	-	-	-	276	2.4	276	2.4
TOTAL		-	-	30	.8	-	-	295	2.7	325	3.5
TOTAL		1,031	12.8	30	.8	-	-	7,157	73.7	8,218	87.3

6900 RESEARCH ON RESEARCH MANAGEMENT

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FORESTRY FUNDS	SCHL SY	FUNDS	SY
H. GEN METHODS, TECHNOLOGY & EVALUATION											
IMPROV RESEARCH ADMINISTRATION	7100	-	-	-	-	-	-	114	1.5	114	1.5
INFOR RETRIEVAL	7200	-	-	-	-	-	-	108	1.7	108	1.7
TOTAL		-	-	-	-	-	-	222	3.2	222	3.2
TOTAL		-	-	-	-	-	-	222	3.2	222	3.2

7000 RESEARCH EQUIPMENT AND TECHNOLOGY

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FORESTRY FUNDS	SCHL SY	FUNDS	SY
A. CONS., DEVELOPMENT & USE OF RESOURCES											
RESOURCE DESC & INV	4100	416	2.3	-	-	220	3.2	492	4.1	1,128	9.6
RESOURCE DEVEL CONSER & MAN	4300	-	-	-	-	-	-	1	.0	1	.0
TOTAL		416	2.3	-	-	220	3.2	492	4.1	1,128	9.6
B. PROTECTION											
POLLUTANTS	4830	-	-	-	-	-	-	68	.9	68	.9
TOTAL		-	-	-	-	-	-	68	.9	68	.9
C. PRODUCTION AND QUALITY IMPROVEMENT											
BIOLOGY OF PLANTS AND ANIMALS	4900	-	-	-	-	-	-	150	2.7	150	2.7
IMPROVING BIOLOGICAL EFFIC	5000	-	-	-	-	-	-	3	.3	3	.3
TOTAL		-	-	-	-	-	-	153	3.0	153	3.0
H. GEN METHODS, TECHNOLOGY & EVALUATION											
DESIGN OF STATISTICAL ANALYSIS	7000	-	-	-	-	-	-	1	.1	1	.1
DEVEL OF TECHNOLOGY	7500	415	6.1	43	1.1	44	.3	1,644	16.5	2,146	24.0
TOTAL		415	6.1	43	1.1	44	.3	1,646	16.6	2,148	24.1
TOTAL		832	8.4	43	1.1	264	3.5	2,360	24.6	3,498	37.6

9900 OTHER UNALLOTTED

ACTIVITY GROUP ACTIVITIES		ARS		ERS		FCS FS SRS		CSRS SAES OCI		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FORESTRY FUNDS	SCHL SY	FUNDS	SY
I. OTHER											
OTHER	9900	262	0.0	-	-	-	-	13,674	92.8	13,936	92.8
TOTAL		262	.0	-	-	-	-	13,674	92.8	13,936	92.8
TOTAL		262	.0	-	-	-	-	13,674	92.8	13,936	92.8

1/ SEE EXHIBITS 1 AND 2 FOR COMPLETE DESCRIPTIONS OF COMMODITIES AND ACTIVITIES, RESPECTIVELY.

TABLE IV. -- SUMMARY TABULATION OF FOOD AND FOOD RELATED RESEARCH BY ACTIVITIES AND RPA 1/
[FY 1975 GROSS FUNDS (IN THOUSANDS) AND SCIENTIST YEARS]

TOTAL

ACTIVITY / RPA		ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
		FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
ADMINISTRATION	4001										
ADMINISTRATION	001	-	-	-	-	-	-	18,201	0.0	18,201	0.0
TOTAL		-	-	-	-	-	-	18,201	.0	18,201	.0
RESOURCE DESC & INV	4100										
APPRAISAL OF SOIL RESOURCES	101	-	-	-	-	-	-	4,019	62.2	4,019	62.2
ALTERNATIVE USES OF LAND	104	-	-	87	2.2	-	-	370	4.4	457	6.6
CONSERVATION & EFFIC USE WATER	105	-	-	-	-	-	-	394	5.1	394	5.1
ECON & LEGAL PROB OF WATER	108	-	-	-	-	-	-	10	.2	10	.2
ADAPT WEATHER & WEATHER MODIFI	109	-	-	-	-	-	-	1,108	17.6	1,108	17.6
APPRAISAL OF FOREST & RANGE	110	-	-	-	-	212	3.0	86	1.3	298	4.3
REMOTE SENSING	113	416	2.3	-	-	220	3.2	492	4.1	1,128	9.6
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	-	-	252	3.1	252	3.1
TOTAL		416	2.3	87	2.2	432	6.2	6,731	98.0	7,666	108.7
RESOURCE DEVEL CONSER & MAN	4300										
SOIL PLANT WATER NUTRIENT RELA	102	4,282	58.4	-	-	-	-	9,292	136.9	13,573	195.3
MGMT SALINITY AND SODIC SOILS	103	2,014	21.3	-	-	-	-	800	9.3	2,815	30.6
CONSERVATION & EFFIC USE WATER	105	4,046	54.7	-	-	-	-	2,452	37.9	6,497	92.6
EFFIC DRAIN & IRRIG SYST & FAC	106	1,879	24.2	-	-	-	-	1,487	24.2	3,367	48.4
WATERSHED PROTECTION AND MGMT	107	4,983	60.4	-	-	6,638	65.9	2,056	20.5	13,677	146.8
ECON & LEGAL PROB OF WATER	108	-	-	-	-	-	-	70	1.0	70	1.0
ADAPT WEATHER & WEATHER MODIFI	109	49	.9	-	-	-	-	380	4.4	429	5.3
IMPROVEMENT OF RANGE RESOURCES	112	855	13.3	-	-	1,374	16.3	1,150	17.1	3,378	46.7
TECH ASSIST DEVELOP COUNTRIES	603	-	-	-	-	-	-	59	.2	59	.2
ALLEV SOIL WATER AIR POLLUTION	901	-	-	-	-	-	-	50	.6	50	.6
FOREST LAND POTENTIAL & EVAL	903	-	-	-	-	-	-	23	.4	23	.4
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	761	9.8	744	10.2	1,504	20.0
TOTAL		18,107	233.2	-	-	8,772	92.0	18,563	262.7	45,443	587.9
EVAL OF ALT USES AND METHODS	4400										
ALTERNATIVE USES OF LAND	104	-	-	278	4.6	-	-	807	10.8	1,085	15.4
ECON & LEGAL PROB OF WATER	108	-	-	71	1.7	-	-	131	1.8	202	3.5
FOREST LAND POTENTIAL & EVAL	903	-	-	-	-	3	.0	5	.0	8	.0
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	-	-	28	.5	28	.5
TOTAL		-	-	348	6.3	3	.0	971	13.1	1,323	19.4
INSECTS	4500										
CONTROL FRUIT & VEGET INSECTS	204	5,086	61.1	-	-	-	-	9,018	128.5	14,104	189.6
CNTRL INSECT PESTS FIELD CROPS	207	4,773	76.6	-	-	-	-	7,979	120.6	12,752	197.2
CNTRL INSECT PESTS STOCK POULT	210	2,382	31.5	-	-	-	-	1,452	24.6	3,834	56.1
PROT STOCK POULT FROM TOX CHEM	213	296	3.3	-	-	-	-	267	2.9	563	6.2
BEES & OTHER POLLINATG INSECTS	314	87	1.6	-	-	-	-	139	1.2	225	2.8
QUAL MAINT IN STORING FRU VEG	404	151	3.5	-	-	-	-	10	.3	161	3.8
QUAL MAINT MKTG&STOR FIELD CRP	408	1,512	26.8	-	-	-	-	177	3.2	1,689	30.0
QUAL MAINT MKTG ANIMAL PRODUCT	412	162	2.1	-	-	-	-	15	.3	177	2.4
TECH ASSIST DEVELOP COUNTRIES	603	70	1.9	-	-	-	-	148	.6	218	2.5
INSURE FOOD FREE OF TOX RESIDU	701	1,687	21.0	-	-	-	-	1,997	25.4	3,684	46.4
CNTRL INSEC PEST OF BELONGINGS	706	437	5.4	-	-	-	-	1,084	15.2	1,521	20.6
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	12	.2	62	.7	74	.9
CULT & PROT ORNAMENTALS & TURF	906	-	-	-	-	-	-	2	.0	2	.0
TOTAL		16,642	234.8	-	-	12	.2	22,350	323.5	39,004	558.5
DISEASES PARASITES & NEMA	4600										
CONTROL FRUIT & VEGET DISEASES	205	3,606	51.8	-	-	-	-	12,795	200.4	16,400	252.2
CNTRL DISEASES OF FIELD CROPS	208	6,980	107.1	-	-	-	-	10,145	162.1	17,125	269.2
CNTRL DISEASES STOCK & POULTRY	211	17,937	117.1	-	-	-	-	15,289	200.2	33,226	317.3
CNTRL INT PARASITE STOCK POULT	212	4,034	36.3	-	-	-	-	2,261	30.8	6,295	67.1
PROT STOCK POULT FROM TOX CHEM	213	-	-	74	.7	-	-	108	1.5	182	2.2
BEES & OTHER POLLINATG INSECTS	314	132	1.6	-	-	-	-	54	1.2	186	2.8
QUAL MAINT IN STORING FRU VEG	404	13	.3	-	-	-	-	172	2.9	186	3.2
QUAL MAINT MKTG&STOR FIELD CRP	408	29	.5	-	-	-	-	0	.0	29	.5
QUAL MAINT MKTG ANIMAL PRODUCT	412	97	1.5	-	-	-	-	6	.1	103	1.6
TECH ASSIST DEVELOP COUNTRIES	603	134	3.6	-	-	-	-	89	.4	223	4.0
INSURE FOOD FREE OF TOX RESIDU	701	162	2.1	-	-	-	-	533	9.4	695	11.5
FISH MARINE FUR-BEAR & OTHER	904	114	1.1	-	-	-	-	724	11.8	838	12.9
TOTAL		33,238	323.0	74	.7	-	-	42,176	620.8	75,488	944.5
WEEDS	4700										
CONSERVATION & EFFIC USE WATER	105	688	8.6	-	-	-	-	110	2.5	797	11.1
CNTRL FRUIT & VEG WEEDS & HAZR	206	341	5.1	-	-	-	-	1,896	28.8	2,238	33.9
CNTRL FIELD CROP WEEDS & HAZRD	209	2,132	34.5	-	-	-	-	4,946	72.7	7,078	107.2
PROT STOCK POULT FROM TOX CHEM	213	-	-	-	-	-	-	52	1.1	52	1.1
TECH ASSIST DEVELOP COUNTRIES	603	-	-	-	-	-	-	182	.2	182	.2
INSURE FOOD FREE OF TOX RESIDU	701	219	2.8	-	-	-	-	356	5.5	575	8.3
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	-	-	3	.1	3	.1
TOTAL		3,380	51.0	-	-	-	-	7,546	110.9	10,926	161.9
FIRE	4810										
CNTRL FIELD CROP WEEDS & HAZRD	209	15	.2	-	-	-	-	-	-	15	.2
TOTAL		15	.2	-	-	-	-	-	-	15	.2
FLOOD	4820										
SOIL PLANT WATER NUTRIENT RELA	102	3	.1	-	-	-	-	15	.2	18	.3
WATERSHED PROTECTION AND MGMT	107	90	.9	-	-	100	.9	89	1.1	279	2.9
TOTAL		92	1.0	-	-	100	.9	104	1.3	297	3.2
POLLUTANTS	4830										
PROT FROM HARMFUL EFFEC POLLUT	214	495	6.6	-	-	-	-	2,833	36.3	3,328	42.9
BEES & OTHER POLLINATG INSECTS	314	65	1.2	-	-	-	-	-	-	65	1.2
INSURE FOOD FREE OF TOX RESIDU	701	1,021	16.3	-	-	-	-	693	8.9	1,714	25.2
PROTECT FOOD FROM HARM MICRORG	702	-	-	-	-	-	-	73	1.5	73	1.5
REDUCE HEALTH & SAFETY HAZARDS	709	-	-	-	-	-	-	13	.4	13	.4
ALLEV SOIL WATER AIR POLLUTION	901	11,220	156.5	17	.4	689	7.2	12,434	165.1	24,360	329.2
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	-	-	110	.9	110	.9
TOTAL		12,801	180.6	17	.4	689	7.2	16,157	213.1	29,664	401.3
CLIMATIC EXTREMES	4840										
CONSERVATION & EFFIC USE WATER	105	8	.1	-	-	-	-	73	.6	81	.7
WATERSHED PROTECTION AND MGMT	107	95	2.0	-	-	-	-	-	-	95	2.0
CNTRL FRUIT & VEG WEEDS & HAZR	206	32	.5	-	-	-	-	509	8.2	540	8.7
CNTRL DISEASES OF FIELD CROPS	208	-	-	-	-	-	-	11	.3	11	.3
CNTRL FIELD CROP WEEDS & HAZRD	209	205	2.9	-	-	-	-	101	1.8	306	4.7
ENVIR STRESS STOCK POULT PROD	312	609	7.3	67	1.0	-	-	319	5.4	995	13.7
BEES & OTHER POLLINATG INSECTS	314	33	.6	-	-	-	-	-	-	33	.6
TOTAL		982	13.4	67	1.0	-	-	1,012	16.3	2,061	30.7
BIRDS	4850										
CNTRL FRUIT & VEG WEEDS & HAZR	206	-	-	-	-	-	-	43	.9	43	.9
CNTRL FIELD CROP WEEDS & HAZRD	209	-	-	-	-	-	-	82	1.3	82	1.3
FISH MARINE FUR-BEAR & OTHER	904	-	-	-	-	-	-	12	.2	12	.2
TOTAL		-	-	-	-	-	-	137	2.4	137	2.4
RODENTS AND OTHER MAMMALS	4860										
CNTRL FRUIT & VEG WEEDS & HAZR	206	-	-	-	-	-	-	112	1.1	112	1.1
CNTRL FIELD CROP WEEDS & HAZRD	209	-	-	-	-	-	-	69	1.0	69	1.0
PROT STOCK POULT FROM TOX CHEM	213	323	3.1	313	1.9	-	-	211	2.1	847	7.1

SEE FOOTNOTE AT END OF TABLE.

TABLE IV. -- (Continued)

TOTAL - CONTINUED

ACTIVITY RPA	ARS		ERS		FCS PS SRS		CSRS SAES OCI FORESTRY	SCHL	TOTAL	
	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
RODENTS AND OTHER MAMMALS 4860										
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	44	.2	44	.2
TOTAL	323	3.1	313	1.9	-	-	435	4.4	1,071	9.4
SPOILAGE ORGANISMS 4870										
QUAL MAINT IN STORING FRU VEG 404	394	6.8	-	-	-	-	470	5.5	863	12.3
QUAL MAINT MKTG&STOR FIELD CRP 408	231	4.1	-	-	-	-	284	2.6	516	6.7
QUAL MAINT MKTG ANIMAL PRODUCT 412	33	.8	-	-	-	-	201	2.2	234	3.0
PROTECT FOOD FROM HARM MICRORG 702	3,615	61.5	-	-	-	-	1,844	25.6	5,459	87.1
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	14	.2	14	.2
TOTAL	4,273	73.2	-	-	-	-	2,813	36.1	7,086	109.3
ALLERGINS, TOXINS, POIS PLANTS 4880										
PROT STOCK POULT FROM TOX CHEM 213	2,227	25.3	-	-	-	-	1,104	14.1	3,331	39.4
INSURE FOOD FREE OF TOX RESIDU 701	864	13.9	-	-	-	-	251	3.2	1,115	17.1
PROTECT FOOD FROM HARM MICRORG 702	2,184	33.6	-	-	-	-	1,654	25.6	3,838	59.2
REDUCE HEALTH & SAFETY HAZARDS 709	1,005	12.7	-	-	-	-	-	-	1,005	12.7
ALLEV SOIL WATER AIR POLLUTION 901	-	-	-	-	-	-	9	.1	9	.1
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	18	.0	18	.0
TOTAL	6,280	85.5	-	-	-	-	3,036	43.0	9,315	128.5
RADIATION NOISE AND OTHER 4890										
PROT STOCK POULT FROM TOX CHEM 213	-	-	-	-	-	-	46	.6	46	.6
ENVIR STRESS STOCK POULT PROD 312	-	-	-	-	-	-	115	1.9	115	1.9
PROTECT FOOD FROM HARM MICRORG 702	-	-	-	-	-	-	53	.3	53	.3
REDUCE HEALTH & SAFETY HAZARDS 709	158	2.1	-	-	-	-	12	.3	170	2.4
ALLEV SOIL WATER AIR POLLUTION 901	97	1.6	-	-	-	-	62	.2	159	1.8
TOTAL	255	3.7	-	-	-	-	287	3.3	542	7.0
BIOLOGY OF PLANTS AND ANIMALS 4900										
IMPROVEMENT OF RANGE RESOURCES 112	133	2.3	-	-	-	-	699	7.5	832	9.8
IMP BIOL EFFIC FRUIT VEG CROPS 304	200	3.4	-	-	-	-	3,717	63.1	3,917	66.5
IMPRV BIOL EFFIC OF FIELD CROP 307	979	15.6	-	-	-	-	5,434	78.6	6,414	94.2
REPROD PERFORM LIVESTOCK POULT 310	437	4.4	-	-	-	-	4,405	38.9	4,842	43.3
FEED EFFIC MEAT MILK EGG PROD 311	306	2.1	-	-	-	-	8,296	88.1	8,602	90.2
ENVIR STRESS STOCK POULT PROD 312	93	1.3	-	-	-	-	1,041	14.0	1,133	15.3
BEES & OTHER POLLINATG INSECTS 314	139	2.1	-	-	-	-	315	4.7	454	6.8
NONCOMMODITY BIOL TECH & BIOMT 318	11,756	173.9	-	-	-	-	25,427	353.6	37,182	527.5
PROD FRU VEG IMPR CONSUMR ADAP 402	13	.2	-	-	-	-	662	8.5	675	8.7
PROD FIELD CROPS CONSMR ACCEPT 405	384	5.8	-	-	-	-	994	22.5	1,379	28.3
PROD ANIM PROD WITH INC ACCEPT 409	229	2.0	-	-	-	-	1,098	12.8	1,328	14.8
CNTRL INSEC PEST OF BELONGINGS 706	-	-	-	-	-	-	476	6.7	476	6.7
FISH MARINE FUR-BEAR & OTHER 904	21	.3	-	-	67	1.0	3,542	40.5	3,630	41.8
TOTAL	14,690	213.4	-	-	67	1.0	56,106	739.5	70,863	953.9
IMPROVING BIOLOGICAL EFFIC 5000										
IMPROVEMENT OF RANGE RESOURCES 112	848	9.3	-	-	-	-	941	13.2	1,790	22.5
IMP BIOL EFFIC FRUIT VEG CROPS 304	3,739	47.4	-	-	-	-	20,790	307.0	24,529	354.4
IMPRV BIOL EFFIC OF FIELD CROP 307	7,923	117.7	-	-	-	-	33,792	461.4	41,715	579.1
REPROD PERFORM LIVESTOCK POULT 310	3,324	22.5	-	-	-	-	12,937	121.7	16,261	144.2
FEED EFFIC MEAT MILK EGG PROD 311	5,995	44.9	-	-	-	-	44,252	365.2	50,248	410.1
ENVIR STRESS STOCK POULT PROD 312	265	3.2	-	-	-	-	2,750	33.6	3,014	36.8
BEES & OTHER POLLINATG INSECTS 314	1,080	17.4	-	-	-	-	174	3.0	1,254	20.4
TECH ASSIST DEVELOP COUNTRIES 603	260	3.7	-	-	-	-	63	.2	322	3.9
FISH MARINE FUR-BEAR & OTHER 904	75	.7	-	-	-	-	1,905	18.1	1,980	18.8
TOTAL	23,509	266.8	-	-	-	-	117,604	1323.4	141,113	1590.2
CONSUMER ACCEPTABILITY 5100										
PROD FRU VEG IMPR CONSUMR ADAP 402	675	8.2	-	-	-	-	1,935	27.9	2,609	36.1
PROD FIELD CROPS CONSMR ACCEPT 405	2,192	34.4	-	-	-	-	656	11.8	2,849	46.2
PROD ANIM PROD WITH INC ACCEPT 409	1,093	8.9	-	-	-	-	1,943	20.1	3,035	29.0
FISH MARINE FUR-BEAR & OTHER 904	11	.1	-	-	-	-	80	.6	91	.7
TOTAL	3,970	51.6	-	-	-	-	4,613	60.4	8,584	112.0
MECHANIZATION 5200										
IMPROVEMENT OF RANGE RESOURCES 112	-	-	-	-	-	-	41	1.0	41	1.0
MECHANIZ FRUIT VEG CROP PRODTN 305	946	16.6	-	-	-	-	3,432	53.7	4,377	70.3
SYSTEMS ANALYSI FRUIT VEG PROD 306	42	.0	-	-	-	-	654	10.1	696	10.1
MECHANIZ OF PROD OF FIELD CROP 308	1,415	18.7	-	-	-	-	1,104	16.6	2,519	35.3
SYSTEMS ANAL PROD FIELD CROPS 309	79	1.1	-	-	-	-	553	10.9	632	12.0
IMP STOCK POULT PROD MGMT SYSM 313	89	1.0	-	-	-	-	2,772	23.2	2,860	24.2
BEES & OTHER POLLINATG INSECTS 314	158	2.4	-	-	-	-	35	.9	192	3.3
IMP GEN FARM SUPPLIES & EQPT 315	455	3.4	-	-	-	-	934	13.5	1,389	16.9
MECH STRUCTURE PROD STOCK POUL 317	506	2.4	-	-	-	-	858	11.4	1,364	13.8
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	9	.3	9	.3
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	117	2.1	117	2.1
TOTAL	3,688	45.6	-	-	-	-	10,510	143.7	14,199	189.3
MANAGEMENT 5300										
SYSTEMS ANALYSI FRUIT VEG PROD 306	-	-	-	-	-	-	422	8.3	422	8.3
SYSTEMS ANAL PROD FIELD CROPS 309	199	1.0	-	-	-	-	1,511	20.8	1,710	21.8
IMP STOCK POULT PROD MGMT SYSM 313	309	1.8	-	-	-	-	4,055	38.2	4,364	40.0
BEES & OTHER POLLINATG INSECTS 314	-	-	-	-	-	-	35	.9	35	.9
FARM BUSINESS MANAGEMENT 316	-	-	-	-	-	-	1,789	32.2	1,789	32.2
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	4	.2	4	.2
AGRIC ECONOMIC CHANGES 807	-	-	-	-	-	-	86	2.0	86	2.0
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	28	.8	28	.8
TOTAL	508	2.8	-	-	-	-	7,928	103.4	8,436	106.2
PROPERTIES OF FOOD PRODUCTS 5400										
BEES & OTHER POLLINATG INSECTS 314	65	1.2	-	-	-	-	-	-	65	1.2
PROD FRU VEG IMPR CONSUMR ADAP 402	-	-	-	-	-	-	396	8.6	396	8.6
NEW IMPVD FRU VEG PROD & BYPRO 403	1,772	33.7	-	-	-	-	1,541	26.9	3,313	60.6
QUAL MAINT IN STORING FRU VEG 404	139	2.0	-	-	-	-	776	12.4	915	14.4
PROD FIELD CROPS CONSMR ACCEPT 405	-	-	-	-	-	-	481	7.9	481	7.9
NEW IMPV FOOD FROM FIELD CROPS 406	2,823	47.6	-	-	-	-	1,065	12.8	3,888	60.4
QUAL MAINT MKTG&STOR FIELD CRP 408	68	1.1	-	-	-	-	347	4.0	415	5.1
PROD ANIM PROD WITH INC ACCEPT 409	21	.2	-	-	-	-	907	11.6	929	11.8
NEW IMPRV MEAT MILK EGGS ETC 410	1,478	23.1	-	-	-	-	2,730	37.1	4,208	60.2
QUAL MAINT MKTG ANIMAL PRODUCT 412	-	-	-	-	-	-	566	7.5	566	7.5
TECH ASSIST DEVELOP COUNTRIES 603	7	.0	-	-	-	-	-	-	7	.0
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	130	2.8	130	2.8
TOTAL	6,374	108.9	-	-	-	-	8,937	131.6	15,311	240.5
DEVEL FOOD PRODUCTS 5500										
BEES & OTHER POLLINATG INSECTS 314	-	-	-	-	-	-	27	.3	27	.3
PROD FRU VEG IMPR CONSUMR ADAP 402	11	.3	-	-	-	-	180	1.8	190	2.1
NEW IMPVD FRU VEG PROD & BYPRO 403	2,910	50.9	-	-	-	-	2,464	40.2	5,375	91.1
PROD FIELD CROPS CONSMR ACCEPT 405	-	-	-	-	-	-	327	5.9	327	5.9
NEW IMPV FOOD FROM FIELD CROPS 406	2,871	46.8	-	-	-	-	1,058	14.4	3,929	61.2
NEW IMPRV MEAT MILK EGGS ETC 410	1,822	29.3	-	-	-	-	3,053	42.0	4,874	71.3
TECH ASSIST DEVELOP COUNTRIES 603	7	.0	-	-	-	-	-	-	7	.0
PROD DVLPT MKTG FOREIGN MKTS 604	648	10.1	-	-	-	-	-	-	648	10.1
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	151	1.7	151	1.7
TOTAL	8,270	137.4	-	-	-	-	7,260	106.3	15,530	243.7

TABLE IV. -- (Continued)

TOTAL - CONTINUED

ACTIVITY RPA	ARS		ERS		PCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
IDENTIFICATION & QUALITY 5800										
PROD FRU VEG IMPR CONSUMR ADAP 402	-	-	-	-	-	-	156	2.2	156	2.2
NEW IMPVD FRU VEG PROD & BYPRO 403	223	3.4	-	-	-	-	579	9.5	802	12.9
QUAL MAINT IN STORING FRU VEG 404	1,884	32.0	-	-	-	-	2,523	39.9	4,407	71.9
PROD FIELD CROPS CONSMR ACCEPT 405	-	-	-	-	-	-	289	6.1	289	6.1
NEW IMPV FOOD FROM FIELD CROPS 406	-	-	-	-	-	-	144	2.0	144	2.0
NEW IMPV PROD FROM FIELD CROPS 407	-	-	-	-	-	-	67	2.1	67	2.1
QUAL MAINT MKTG&STOR FIELD CRP 408	844	15.0	-	-	-	-	958	12.5	1,802	27.5
PROD ANIM PROD WITH INC ACCEPT 409	-	-	-	-	-	-	278	3.9	278	3.9
NEW IMPRV MEAT MILK EGGS ETC 410	-	-	-	-	-	-	587	9.3	587	9.3
NEW IMPRV NONFOOD ANIMAL PROD 411	-	-	-	-	-	-	13	.2	13	.2
QUAL MAINT MKTG ANIMAL PRODUCT 412	116	2.3	-	-	-	-	1,260	19.6	1,376	21.9
IMPRV GRADES AND STANDARDS 501	1,541	21.9	53	.6	-	-	1,114	16.2	2,708	38.7
PROD DVLPT MKTG FOREIGN MKTS 604	82	1.4	-	-	-	-	-	-	82	1.4
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	57	.7	57	.7
TOTAL	4,691	76.0	53	.6	-	-	8,026	124.2	12,770	200.8
IMPROVING MARKETING 5900										
EFFIC MKTG AGR PROD&PROD INPUT 503	2,638	48.3	295	4.5	15	.3	3,153	57.5	6,101	110.6
PERFORMANCE MARKETING SYSTEMS 509	455	9.8	2,232	43.6	-	-	1,675	34.3	4,362	87.7
GROUP ACTION & MARKET POWER 510	-	-	-	-	1,107	22.2	286	6.0	1,393	28.2
PROD DVLPT MKTG FOREIGN MKTS 604	81	1.7	-	-	-	-	-	-	81	1.7
ALLEV SOIL WATER AIR POLLUTION 901	-	-	-	-	-	-	47	1.3	47	1.3
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	16	.4	16	.4
TOTAL	3,174	59.8	2,528	48.1	1,122	22.5	5,178	99.5	12,001	229.9
ANALYZE SUPPLY, PRICE, DEMAND 6000										
SUPPLY, DEMAND & PRICE ANALYSI 506	11	.2	3,382	64.7	-	-	1,759	36.2	5,152	101.1
COMPETITIVE RELATIONS IN AGRIC 507	-	-	445	9.7	-	-	358	7.1	803	16.8
PRICE ANALYSIS OF FOREST PROD 513	-	-	-	-	-	-	1	.2	1	.2
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	61	1.6	61	1.6
TOTAL	11	.2	3,827	74.4	-	-	2,179	45.1	6,017	119.7
DEVELOPING DOMESTIC MARKETS 6100										
DVLPT DOMESTIC FARM PROD MRKTS 508	-	-	561	10.0	-	-	579	9.6	1,140	19.6
HOUSING NEEDS RURAL FAMILIES 801	-	-	-	-	-	-	2	.1	2	.1
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	45	1.0	45	1.0
TOTAL	-	-	561	10.0	-	-	626	10.7	1,187	20.7
FOREIGN TRADE 6200										
EXPAN FOREIGN MKT US FARM PROD 601	146	2.0	2,557	50.8	-	-	613	9.7	3,316	62.5
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	47	.5	47	.5
PROD DVLPT MKTG FOREIGN MKTS 604	967	13.6	-	-	-	-	22	.3	988	13.9
TOTAL	1,113	15.6	2,557	50.8	-	-	681	10.5	4,351	76.9
NUTRITIONAL VALUES 6300										
FOOD CHOICE HABITS & CONSUMPTN 703	763	13.0	64	5.4	-	-	1,648	33.2	2,475	51.6
HOME & COMMERCIAL FOOD PREPAR 704	348	4.5	-	-	-	-	806	14.7	1,154	19.2
HUMAN NUTRITION 708	6,897	79.6	-	-	-	-	6,927	108.3	13,823	187.9
TOTAL	8,008	97.1	64	5.4	-	-	9,381	156.2	17,453	258.7
QUALITY OF FAMILY LIVING 6400										
HOUSING NEEDS RURAL FAMILIES 801	-	-	40	.9	-	-	-	-	40	.9
TOTAL	-	-	40	.9	-	-	-	-	40	.9
DESCRIPTION INV & TRENDS 6500										
EVAL FOREIGN FOOD AID PROGRAMS 602	-	-	-	-	-	-	14	.2	14	.2
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	24	.2	24	.2
ECON POTENTIAL OF RURAL PEOPLE 804	-	-	97	1.4	-	-	-	-	97	1.4
ADJUSTMENT TO CHANGE 806	-	-	361	4.1	-	-	-	-	361	4.1
AGRIC ECONOMIC CHANGES 807	-	-	430	5.6	-	-	13	.2	443	5.8
TOTAL	-	-	888	11.1	-	-	51	.6	939	11.7
ECONOMIC DEVELOPMENT 6600										
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	898	8.7	898	8.7
ECON POTENTIAL OF RURAL PEOPLE 804	-	-	29	.5	-	-	-	-	29	.5
ADJUSTMENT TO CHANGE 806	-	-	11	.2	-	-	-	-	11	.2
AGRIC ECONOMIC CHANGES 807	-	-	682	12.9	-	-	831	13.0	1,512	25.9
TOTAL	-	-	722	13.6	-	-	1,728	21.7	2,450	35.3
SOCIAL WELL BEING 6700										
TECH ASSIST DEVELOP COUNTRIES 603	-	-	-	-	-	-	22	.6	22	.6
ECON POTENTIAL OF RURAL PEOPLE 804	-	-	30	.3	-	-	-	-	30	.3
COMMUNICATION & EDUCATION PROC 805	-	-	-	-	-	-	1,026	14.9	1,026	14.9
ADJUSTMENT TO CHANGE 806	-	-	32	.8	-	-	-	-	32	.8
IMPR INCOME OPPOR RURAL AREAS 907	-	-	-	-	-	-	6	.1	6	.1
TOTAL	-	-	62	1.1	-	-	1,054	15.6	1,116	16.7
DESIGN OF STATISTICAL ANALYSIS 7000										
NONCOMMODITY BIOL TECH & BIOMT 318	60	.9	-	-	-	-	1,163	18.0	1,224	18.9
IMPR INCOME OPPOR RURAL AREAS 907	-	-	-	-	-	-	2	.1	2	.1
TOTAL	60	.9	-	-	-	-	1,165	18.1	1,226	19.0
IMPROV RESEARCH ADMINISTRATION 7100										
RESEARCH ON MGMT OF RESEARCH 114	-	-	-	-	-	-	114	1.5	114	1.5
TOTAL	-	-	-	-	-	-	114	1.5	114	1.5
INFOR RETRIEVAL 7200										
RESEARCH ON MGMT OF RESEARCH 114	-	-	-	-	-	-	108	1.7	108	1.7
TOTAL	-	-	-	-	-	-	108	1.7	108	1.7
EVAL OF PUBLIC PROGRAMS 7300										
ALTERNATIVE USES OF LAND 104	-	-	124	3.8	-	-	187	3.0	311	6.8
ECON & LEGAL PROB OF WATER 108	-	-	33	.9	-	-	50	.9	83	1.8
ADAPT WEATHER & WEATHER MODIFI 109	8	.1	-	-	-	-	22	.3	30	.4
FARM BUSINESS MANAGEMENT 316	-	-	-	-	-	-	89	1.8	89	1.8
COMPETITIVE RELATIONS IN AGRIC 507	-	-	114	3.0	-	-	133	2.6	247	5.6
PERFORMANCE MARKETING SYSTEMS 509	-	-	322	6.6	-	-	219	4.3	541	10.9
GROUP ACTION & MARKET POWER 510	-	-	-	-	-	-	89	1.4	89	1.4
EXPAN FOREIGN MKT US FARM PROD 601	-	-	-	-	-	-	7	.2	7	.2
FOOD CHOICE HABITS & CONSUMPTN 703	-	-	727	12.6	-	-	71	1.6	798	14.2
HUMAN NUTRITION 708	-	-	-	-	-	-	37	.9	37	.9
AGRIC ECONOMIC CHANGES 807	-	-	104	2.2	-	-	-	-	104	2.2
GOVERNMENT PROGRAMS 808	-	-	1,189	18.7	-	-	476	6.4	1,665	25.1
ALLEV SOIL WATER AIR POLLUTION 901	-	-	686	18.9	-	-	227	3.4	914	22.3
FOREST LAND POTENTIAL & EVAL 903	-	-	-	-	-	-	3	.0	3	.0
FISH MARINE FUR-BEAR & OTHER 904	-	-	-	-	-	-	4	.0	4	.0
IMPR INCOME OPPOR RURAL AREAS 907	-	-	-	-	-	-	5	.1	5	.1
TOTAL	8	.1	3,300	66.7	-	-	1,621	26.9	4,928	93.7
IMPROVEMENT OF STATISTICS 7400										
IMPROVE AGRICULTURAL STATISTICS 511	-	-	128	3.2	385	10.7	472	4.7	984	18.6
TOTAL	-	-	128	3.2	385	10.7	472	4.7	984	18.6
DEVEL OF TECHNOLOGY 7500										
ADAPT WEATHER & WEATHER MODIFI 109	-	-	-	-	-	-	187	2.9	187	2.9
BIOL CULT MGMT OF FORESTS 111	-	-	-	-	-	-	13	.1	13	.1
REMOTE SENSING 113	-	-	-	-	44	.3	466	4.5	510	4.8
PROT FROM HARMFUL EFFEC POLLUT 214	36	.5	-	-	-	-	663	4.2	699	4.7
IMP BIOL EFFIC FRUIT VEG CROPS 304	-	-	-	-	-	-	64	1.3	64	1.3

TABLE IV. -- (Continued)

TOTAL - CONTINUED

ACTIVITY RPA	ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY SCHL		TOTAL	
	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
DEVEL OF TECHNOLOGY 7500										
IMPRV BIOL EFFIC OF FIELD CROP 307.....	7	.1	-	-	-	-	36	.1	43	.2
NONCOMMODITY BIOL TECH & BIOMT 318.....	536	8.3	-	-	-	-	1,280	15.7	1,816	24.0
IMPROVE AGRICULTURAL STATISTICS 511.....	-	-	43	1.1	-	-	65	1.5	108	2.6
TECH ASSIST DEVELOP COUNTRIES 603.....	-	-	-	-	-	-	194	2.2	194	2.2
TOTAL.....	579	8.9	43	1.1	44	.3	2,968	32.5	3,633	42.8
OTHER 9900										
UNCLASSIFIED 990.....	262	.0	-	-	-	-	13,674	92.8	13,936	92.8
TOTAL.....	262	.0	-	-	-	-	13,674	92.8	13,936	92.8
TOTAL.....	175,719	2290.1	15,677	299.5	11,627	141.0	402,502	5019.5	605,526	7750.1

1/ SEE EXHIBITS 2 AND 4 FOR COMPLETE DESCRIPTIONS OF ACTIVITIES AND RPA'S, RESPECTIVELY.

TABLE V. -- SUMMARY TABULATION OF FOOD AND FOOD RELATED RESEARCH BY RESEARCH PROGRAM GROUPS AND RESEARCH PROGRAMS 1/
[FY 1975 GROSS FUNDS (IN THOUSANDS) AND SCIENTIST YEARS]

TOTAL

RESEARCH PROGRAM GROUP / RESEARCH PROGRAM	ARS		ERS		FCS FS SRS		CSRS SAES OCI FORESTRY		CSRS SAES OCI SCHL		TOTAL	
	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY	FUNDS	SY
1.00 NATURAL RESOURCES												
1.01 SOIL AND LAND USE	5,983	80.7	362	7.2	-	-	14,973	221.0			21,317	308.9
1.02 WATER AND WATERSHEDS	12,043	149.5	231	6.0	-	-	6,429	86.4			18,704	241.9
1.04 ENVIRONMENTAL QUALITY	11,848	165.2	703	19.3	-	-	16,288	210.6			28,839	395.1
1.05 WEATHER MODIFICATION	56	1.0	-	-	-	-	1,698	25.2			1,754	26.2
1.06 FISH AND WILDLIFE	221	2.2	-	-	-	-	3,455	46.9			3,675	49.1
1.07 REMOTE SENSING	416	2.3	-	-	220	3.2	839	7.3			1,475	12.8
TOTAL	30,567	400.9	1,296	32.5	220	3.2	43,682	597.4			75,765	1034.0
2.00 FORESTRY												
2.01 RESOURCE APPRAISAL & INVENTORY	-	-	-	-	257	3.3	143	1.6			400	4.9
2.02 TIMBER MANAGEMENT	-	-	-	-	-	-	13	.1			13	.1
2.04 HARVST, PROC, MKTG FOREST PROD	-	-	-	-	-	-	1	.2			1	.2
2.05 FOREST WTRSHD, SOILS, POLLUTN	-	-	-	-	7,428	74.0	935	14.0			8,363	88.0
2.06 FOREST, RANGE, WILDLIFE, FISH	-	-	-	-	2,213	27.3	1,306	14.6			3,518	41.9
2.08 ALTERNATE LAND USE	-	-	-	-	3	.0	129	2.2			132	2.2
TOTAL	-	-	-	-	9,901	104.6	2,527	32.7			12,427	137.3
3.00 CROPS (FIELD & HORTICULTURAL)												
3.01 CORN	5,117	86.6	13	.1	-	-	11,891	163.9			17,022	250.6
3.02 GRAIN SORGHUM	829	14.2	8	.1	-	-	3,395	51.5			4,232	65.8
3.03 WHEAT	5,734	93.7	13	.1	-	-	7,953	121.8			13,700	215.6
3.04 OTHER SMALL GRAINS	2,189	35.3	5	.1	-	-	4,871	79.9			7,065	115.3
3.05 RICE	356	13.6	8	.1	-	-	2,794	36.9			3,658	50.6
3.06 SOYBEANS	4,758	71.1	-	-	-	-	10,907	160.8			15,665	231.9
3.07 PEANUTS	1,867	30.0	-	-	-	-	3,241	46.5			5,108	76.5
3.08 SUGAR	4,124	57.4	-	-	-	-	3,057	51.5			7,181	108.9
3.09 FORAGE, PASTURE, RANGE	8,018	123.6	5	.1	-	-	20,102	300.0			28,125	423.7
3.10 COTTON	1,512	22.1	-	-	-	-	143	1.3			1,655	23.4
3.12 NEW CROPS & MINOR OILSEEDS	3,696	50.6	-	-	-	-	2,392	33.9			6,088	84.5
3.13 FRUIT	12,660	181.9	-	-	-	-	31,952	475.1			44,612	657.0
3.14 VEGETABLE CROPS	8,722	131.1	-	-	-	-	30,164	484.6			38,886	615.7
3.16 BEES & OTH POLLINATING INSECTS	1,758	28.1	-	-	-	-	779	12.2			2,537	40.3
TOTAL	61,841	939.3	53	.6	-	-	133,641	2019.9			195,535	2959.8
4.00 ANIMALS												
4.01 BEEF	13,217	114.0	105	1.3	-	-	35,684	322.8			49,006	438.1
4.02 DAIRY	10,587	96.5	-	-	-	-	27,135	275.2			37,722	371.7
4.03 POULTRY	7,762	81.9	-	-	-	-	19,291	239.0			27,053	320.9
4.04 SHEEP	4,071	30.1	348	2.3	-	-	6,721	75.5			11,140	107.9
4.05 SWINE	6,899	45.4	-	-	-	-	15,250	140.0			22,149	185.4
4.06 OTHER ANIMALS	1,730	12.9	-	-	-	-	5,344	74.0			7,074	86.9
4.07 AQUATIC FOODS & FEEDSTUFFS	2	.0	-	-	-	-	4,278	47.9			4,280	47.9
TOTAL	44,268	380.8	454	3.6	-	-	113,702	1174.4			158,423	1558.8
5.00 PEOPLE, COMMUNITIES, INSTITUTIONS												
5.01 FOOD AND NUTRITION	8,566	108.0	790	18.0	-	-	12,436	193.5			21,793	319.5
5.02 FOOD SAFETY	9,752	151.2	-	-	-	-	7,454	105.4			17,205	256.6
5.03 RURAL DEVLPMNT & FAMILY LIVING	89	1.1	600	8.2	-	-	1,123	16.7			1,812	26.0
5.04 INSECTS AFFECTING MAN	437	5.4	-	-	-	-	1,560	21.9			1,997	27.3
5.05 ADMINISTRATION OF RESEARCH	-	-	-	-	-	-	222	3.2			222	3.2
TOTAL	18,844	265.7	1,390	26.2	-	-	22,795	340.7			43,029	632.6
6.00 COMPETITION, TRADE, PRICE, INCOME												
6.01 FARM ADJUSTMNT, PRICES, INCOME	455	3.4	2,576	43.7	385	10.7	4,754	75.3			8,170	133.1
6.02 FOREIGN TRADE & ECON DEVLPMNT	2,403	38.0	2,557	50.8	-	-	2,395	24.7			7,355	113.5
6.03 MARKETING AND COMPETITION	3,104	58.3	7,352	142.1	1,122	22.5	8,250	159.0			19,828	381.9
TOTAL	5,962	99.7	12,484	236.6	1,507	33.2	15,399	259.0			35,352	628.5
7.00 GENERAL RESOURCE OR TECHNOLOGY												
7.01 GENERAL RESOURCE OR TECHNOLOGY	13,975	204.6	-	-	-	-	38,883	497.7			52,858	702.6
TOTAL	13,975	204.6	-	-	-	-	38,883	497.7			52,858	702.6
8.00 ADMINISTRATION												
8.01 ADMINISTRATION	-	-	-	-	-	-	18,201	.0			18,201	.0
TOTAL	-	-	-	-	-	-	18,201	.0			18,201	.0
9.00 UNCLASSIFIED												
9.01 UNCLASSIFIED	262	.0	-	-	-	-	13,674	92.8			13,936	92.8
TOTAL	262	.0	-	-	-	-	13,674	92.8			13,936	92.8
TOTAL	175,719	2290.1	15,677	299.5	11,627	141.0	402,502	5019.5			605,526	7750.1

1/ Figures in the horizontal TOTAL row at the bottom of this table are consistent with all other tables. Details in the text of this table may not add to the horizontal TOTAL figures due to rounding.

x x x x x x x

EXPLANATORY EXHIBITS

x x x x x x x

EXHIBIT 1.

Classification Codesheet for Report of Agricultural Research

COMMODITY, RESOURCE OR TECHNOLOGY NOT
ASSOCIATED WITH SPECIFIC COMMODITIES

COMMODITIES, AND THEIR PRODUCTS AND NATURAL RESOURCES

PRIME* CLASSIF.	SUB-** CLASSIF.	
(X)--0100		Soil & Land
(X)--0200		Water
(X)--0300		Watersheds & river basins
	(X)--0310	River basins
	(X)--0320	Watersheds
(X)--0400		Air & climate
(X)--0500		Recreational resources
	(X)--0510	Wilderness (roadless areas)
	(X)--0520	Campgrounds & picnic areas
	(X)--0530	Parks & urban greenspace
	(X)--0590	Other recreational resources
(X)--0600		Trees, forests, & forest products (excluding edible tree nut crops (see 1050), & tung (see 2560)
	(X)--0610	Conifers, general
	(X)--0611	Christmas trees
	(X)--0612	Douglas fir
	(X)--0613	Other western conifers
	(X)--0614	Naval stores
	(X)--0615	Ornamental & shade conifers
	(X)--0616	Southern pine
	(X)--0617	Other eastern conifers
	(X)--0619	Other conifers
	(X)--0620	Hardwoods, general
	(X)--0621	Black walnut
	(X)--0622	Other fine hardwoods (ash, black cherry, yellow birch, select white & red oaks)
	(X)--0623	Poplars, aspen and cottonwoods
	(X)--0624	Elms (for ornamental & shade only)
	(X)--0625	Other ornamental & shade hardwoods

* Primary Classification

** Sub-Classification

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
	0626	Maple for syrup & sugar only
(X)--	0629	Other hardwoods
(X)--	0630	Both conifers & hardwoods, general
(X)--	0631	Shelterbelts & windbreaks
(X)--	0632	Medicinal (see 2820 for agricultural crops)
(X)--	0633	Decorative forest greens
(X)--	0639	Other conifers & hardwoods
(X)--	0700	Range
(X)--	0800	Fish, shellfish, game & fur-bearing animals & other wildlife & their habitats
(X)--	0810	Game fish Includes: Bass, bluegill, muskellunge, pike, shad, trout
	0820	Commercial fish & shellfish (includes fish farming), general
	0821	Freshwater Includes: Catfish, carp
	0822	Saltwater Includes: Clams, cod, cusk, flounder, haddock, hake, herring, lobster, menhaden, oysters, shrimp, whiting
	0830	Game birds Includes: Wild ducks, wild geese, grouse, partridges, pheasants, quail, wild turkeys
(X)--	0840	Non-game birds
(X)--	0850	Game animals Includes: Antelopes, bison, bobcats, deer, elk, moose
(X)--	0860	Fur-bearing animals Includes: Beavers, foxes, martens, minks, muskrats, nutria, rabbits
(X)--	0870	Fish habitats
(X)--	0880	Wildlife habitats
(X)--	0890	Other wildlife
	0900	Citrus & subtropical fruit
	0910	Citrus Includes: Grapefruit, kumquats, lemons, limes, mandarin oranges, oranges
	0920	Subtropical fruits Includes: Avocados, bananas, coconuts, dates, figs, guavas, mangos, olives, papayas, passion fruits, pineapples, soursops

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
1000		Deciduous & small fruits & edible tree nuts
	1010	Deciduous tree fruits Includes: Apples, apricots, cherries, nectarines, peaches, pears, plums (including prunes), persimmons
	1030	Berries & cane fruits Includes: Blackberries, blueberries, boysenberries, cranberries, currants, elderberries, raspberries, strawberries
	1040	Grapes (including grape wines)
	1050	Edible tree nuts Includes: Almonds, chestnuts, walnuts, cashews, filberts, macadamia nuts, pecans
	1090	Other (deciduous & small fruits)
	1099	Deciduous & small fruits, general
1100		Potatoes
1200		Vegetables
	1210	Leguminous vegetables, general
	1211	Beans (dry)
	1212	Beans (fresh, fresh-processed)
	1213	Peas (dry)
	1214	Peas (fresh, fresh-processed)
	1215	Lentils
	1219	Other leguminous vegetables
	1220	Melons & other cucurbits Includes: Cantaloupes, muskmelons, pumpkins, squash, watermelons, cucumbers, gourds
	1230	Greens & leafy vegetables Includes: Endive, lettuce, spinach, turnip-greens, celery, rhubarb, parsley, asparagus
	1240	Cabbage & other cole crops Includes: Cabbage, kale, broccoli, brussel sprouts, cauliflower, kohlrabi
	1250	Rhizomes, tubers, bulbs, & root crops, general (for potatoes see 1100)
	1251	Sweet potatoes & yams
	1252	Onions, garlic, leeks, shallots
	1253	Carrots
	1259	Other (rhizomes, tubers, bulbs, & root crops) vegetables Includes: Beets, radishes, turnips, cassava

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
	1260	Tomatoes & related crops, general
	1261	Tomatoes
	1262	Peppers
	1263	Eggplant
	1264	Other (tomatoes & related crops) vegetables
	1270	Mushrooms & other edible fungi
	1280	Sweetcorn
	1291	Herbs & spices Includes: Dill, mustard, basil, ginger
	1298	Vegetables, general
	1299	Other (miscellaneous vegetables)
(X)--1300		Ornamentals & turf
(X)--1310		Woody shrubs & ornamentals Includes: Azalea, camellia, forsythia, hibiscus, holly, hydrangea, laurel, lilac, magnolia, privet, rhododendron, spiraea
(X)--1320		Herbaceous ornamentals Includes: Flowers, foliage plants, bulb crops, bedding plants
(X)--1330		Lawns & turf Includes: Bentgrass, bermudagrass, bluegrass, dichondra, fescue, ryegrass, zoysia, ground covers
(X)--1391		Arboreta & botanical gardens
(X)--1399		Other ornamentals Includes: Cacti
1400		Corn (includes popcorn). (For sweetcorn, see 1280)
1500		Grain sorghum
1600		Rice
1700		Wheat
	1710	Hard red winter wheat
	1720	Hard red spring wheat
	1730	Soft red winter wheat
	1740	White wheat (includes club, western & soft white)
	1750	Durum wheat
	1790	Other wheat
	1799	Wheat, general
1800		Other small grains
	1810	Barley
	1820	Oats
	1830	Rye
	1890	Other small grains Includes: Buckwheat, millet, triticale
	1899	Other small grains, general

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
1900		Pasture
2000		Forage crops
	2010	Perennial grasses Includes: Bluegrass, bromegrass, dallisgrass, fescue, orchardgrass, perennial ryegrass, timothy, wheatgrass
	2020	Annual grasses Includes: Annual ryegrass, millets, forage sorghums, sudangrass, sorghum-sudangrass hybrids
	2030	Legumes, general
	2031	Alfalfa
	2032	Trefoil
	2033	Red clover
	2034	Crownvetch
	2039	Other legumes Includes: Crimson clover, ladino clover, sweet clover, lespedeza
	2090	Other forage crops Includes: Cereal crops used for forage
	2099	Forage crops, general
(X)-- 2100		Cotton (including cottonseed for planting purposes)
	(X)-- 2110	Upland (G. hirsutum)
	(X)-- 2120	Long fiber (G. barbadense)
	(X)-- 2190	Other cotton
2200		Cottonseed (for meal, oil, etc.)
2300		Soybeans
2400		Peanuts
(X)-- 2500		Other oilseed & oil crops (excluding cottonseed)
	2510	Castorbeans
	2520	Crambe
	2530	Flaxseed
	2540	Safflower
	2550	Sunflower
	(X)-- 2560	Tung
	(X)-- 2590	Other oilseed & oil crops Includes: Sesame, rape, lesquerella, etc.
(X)-- 2600		Tobacco
	(X)-- 2610	Flue-cured
	(X)-- 2620	Burley
	(X)-- 2630	Cigar types
	(X)-- 2690	Other tobacco

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
2700		Sugar crops
	2710	Sugar beets
	2720	Sugar cane
	2730	Sugar sorghum
	2790	Other sugar crops
(X)-- 2800		Miscellaneous & new crops
(X)--	2810	Fiber plants Includes: Abaca, agave, hemp, ramie, roselle, kenaf, sansevieria
(X)--	2820	Drugs & chemurgic crops Includes: Dioscorea, saponaria, senna, tephrosia
	2830	Flavoring & beverage plants Includes: Coffee, hops, mint, tea, vanilla
(X)--	2890	Other miscellaneous & new crops
2900		Poultry
	2910	Egg type chickens
	2920	Eggs
	2930	Meat type chickens
	2940	Ducks & geese
	2950	Turkeys
	2990	Other poultry
	2999	Poultry, general
3000		Beef cattle
3100		Dairy cattle
	3110	Butter
	3120	Cheese
	3130	Meat
	3140	Milk
	3150	Ice cream
	3190	Other dairy cattle products
	3199	Dairy cattle, general
3200		Swine
(X)-- 3300		Sheep & wool
(X)-- 3400		Other animals (see 0850 for fur-bearing animals)
(X)--	3410	Horses, ponies, & mules
(X)--	3420	Goats & mohair
(X)--	3430	Pets Includes: Dogs, cats (if used as lab animals, use 3440)

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
(X)--	3440	Laboratory animals Includes: Guinea pigs, mice, rats, rabbits, dogs, cats
(X)--	3490	Other animals
	3500	Bees & honey & other pollinating insects

MANMADE RESOURCES

(X)--	3600	General purpose supplies Includes: Machinery, equipment, fertilizers, feedstuffs, & pesticides
(X)--	3700	Clothing & textiles
	3800	Food (not readily associated with specific plant & animal products)
(X)--	3900	Structures & facilities
(X)--	3910	Houses (people), furniture, household equipment & non-textile furnishings
(X)--	3920	Other farm structures & related facilities
(X)--	3930	Non-farm structures & related facilities including those used in the marketing, storing, processing & distributing functions, & for recreation uses
(X)--	3940	Domestic & community water supply facilities & systems
(X)--	3950	Drainage & irrigation facilities & systems
(X)--	3960	Sewage & waste disposal facilities & systems
(X)--	3990	Other (such as trails, roads, telephone, & electricity)

HUMAN RESOURCES, ORGANIZATIONS & INSTITUTIONS

(X)--4000	People as individual workers, consumers & members of society
(X)--4100	The family & its members
(X)--4200	The farm as a business enterprise
(X)--4300	Communities, areas & regions, including counties & States & their institutions & organizations
(X)--4400	Agricultural economy of United States & sectors thereof, including interrelationships with the total economy
(X)--4500	Agricultural economy of foreign countries & sectors thereof, including interrelationships with the total economy

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 1. (Continued)

PRIME	SUB	
(X)--	4600	Farmer Cooperatives
(X)--	4700	Marketing, processing & supply firms other than cooperatives
(X)--	4800	Marketing systems & sectors thereof

TECHNOLOGY NOT ASSOCIATED WITH SPECIFIC COMMODITIES OR RESOURCES

	6100	Weeds (Use only when specific commodities affected cannot be identified)
	6200	Seed research (Use only when the research is applicable to a broad range of commodities)
	6300	Biological cell systems
	6400	Experimental design & Statistical methods
	6500	Invertebrates (including insects, mites, ticks, snails, slugs, & leeches) (Use only when the specific commodities affected cannot be identified)
	6600	Microorganisms, viruses, etc. (Use only when the specific commodities affected cannot be identified)
(X)--	6700	Plants (Use only when the research is applicable to a broad range of commodities or the commodities which will "be benefited" have not been identified)
	6800	Animals (Vertebrates) (Use only when the research is applicable to a broad range of commodites or the commodities which will "be benefited" have not been identified)
(X)--	6900	Research on research management (not research management *per se*)
(X)--	7000	Research equipment & technology (such as remote sensing)

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 2.

Classification Codesheet for Report of Agricultural Research

ACTIVITY

Conservation, development & use of soil, water, forest & related resources

(X)--4100 Resource description & inventory
(X)--4300 Resource development, conservation & management
(X)--4400 Evaluation of alternative uses & methods of use

Protection of man, commodities, resources & their products from losses, damage or discomfort

4500 Protection against insects, mites, snails & slugs & their control agents
4600 Protection against diseases, parasites & nematodes & their control agents
(X)--4700 Protection against weeds & their control agents
(X)--4810 Protection against fire
(X)--4820 Protection against floods
(X)--4830 Protection against pollutants
(X)--4840 Protection against climatic extremes (frost, hail, wind, drought, etc.)
4850 Protection against birds
(X)--4860 Protection against rodents & other mammals
4870 Protection against molds, fungi & other spoilage organisms
(X)--4880 Protection against allergens, toxins & poisonous plants
(X)--4890 Protection against radiation, noise & other hazards

Efficient production & quality improvement

4900 Biology of plants & animals
(X)--5000 Improving biological efficiency of plants & animals
5100 Increasing consumer acceptability of farm & forest products
(X)--5200 Mechanization, improvement of physical efficiency, & development of structures & facilities
(X)--5300 Management of labor, capital & other inputs

Product development & processing

5400 Chemical & physical properties of food products
5500 Developing new & improved food products & processes
(X)--5600 Chemical & physical properties of non-food products
(X)--5700 Developing new & improved non-food products & processes

Efficient marketing, including pricing & quality

5800 Identification, measurement & maintenance of quality
(X)--5900 Improving economic & physical efficiency in marketing including analysis of market structure & functions
(X)--6000 Analysis of supply, demand & price, including interregional competition

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 2. (Continued)

Efficient marketing, including pricing & quality (continued)

(X)-- 6100 Developing domestic markets, including consumer preference & behavior
(X)-- 6200 Foreign trade, market development & competition

Improvement of human nutrition, shelter, & consumer satisfaction

6300 Nutritional values, consumption patterns, & eating quality of foods
(X)-- 6400 Quality of family living, including housing, management & use of time, money & other resources

Development of human resources & of economies of communities, areas & nations

(X)-- 6500 Description, inventory & trends
(X)-- 6600 Economic development & adjustment
(X)-- 6700 Improvement of social well-being, including social services & facilities & adjustment of social & economic changes

General Methodology, Technology & Evaluation

7000 Design of experiments & methods of statistical analysis
(X)-- 7100 Improvement of research administration
(X)-- 7200 Information documentation & retrieval
(X)-- 7300 Evaluation of public programs, policies & services
7400 Improvement of agricultural statistics
(X)-- 7500 Development of research equipment & technology

(X)-- Excluded in whole or in part from food and food-related research.

EXHIBIT 3.

Classification Codesheet for Report of Agricultural Research

FIELD OF SCIENCE

BIOLOGICAL

0110 Biochemistry & biophysics - animal
0112 Biochemistry & biophysics - plant
0113 Biochemistry & biophysics - human
0114 Biochemistry & biophysics - other

0210 Biology - Environmental, systematic, applied-animal
0212 Biology - Environmental, systematic, applied-plant
0213 Biology - Environmental, systematic, applied-human
0214 Biology - Environmental, systematic, applied-other

0310 Biology - Molecular - animal
0312 Biology - Molecular - plant
0313 Biology - Molecular - other

0410 Entomology - animal
0412 Entomology - plant
0413 Entomology - human
0414 Entomology - other

0510 Animal Genetics & Breeding
0512 Plant Genetics & Breeding
0513 Genetics - other

0610 Immunology - animal
0612 Immunology - plant
0613 Immunology - human

0710 Microbiology - animal
0712 Microbiology - plant
0713 Microbiology - human
0714 Microbiology - soils
0790 Microbiology - other

0810 Nematology - Animal
0812 Nematology - plant
0813 Nematology - other

0910 Nutrition & Metabolism - animal
0912 Nutrition & Metabolism - plant
0913 Nutrition & Metabolism - human
0914 Nutrition & Metabolism - other

1010 Parasitology - animal
1012 Parasitology - plant
1013 Parasitology - other

1110 Pathology - animal
1112 Pathology - plant
1113 Pathology - human
1114 Pathology - other

1210 Pharmacology

1310 Physiology - animal
1312 Physiology - plant
1313 Physiology - other

1410 Virology - animal
1412 Virology - plant
1413 Virology - human
1414 Virology - other

EXHIBIT 3. (Continued)

PHYSICAL

1524	Chemistry - analytical
1525	Chemistry - inorganic
1526	Chemistry - organic
1527	Chemistry - physical
1528	Chemistry - soils
1529	Chemistry - other
1920	Engineering - agricultural
1924	Engineering - mechanical
1925	Engineering - electrical
1926	Engineering - civil
1927	Engineering - chemical
1928	Engineering - industrial
1929	Engineering - other
2020	Geology & geography
2120	Hydrology
2220	Mathematics
2230	Statistics & biometry
2320	Meteorology & climatology
2420	Physics
2421	Physics - soils

SOCIAL & BEHAVIORAL

2530	Anthropology
2630	Economics
2730	Education
2740	Information & Communication
2830	History
2930	Law
3030	Political Science
3130	Psychology
3230	Sociology
3310	Art & Architecture

EXHIBIT 4.

LISTING OF RESEARCH PROBLEM AREAS (RPA's)

RPA[1/]	TITLE
	GOAL I: INSURE A STABLE & PRODUCTIVE AGRICULTURE FOR THE FUTURE THROUGH WISE MANAGEMENT OF NATURAL RESOURCES
101	Appraisal of Soil Resources
102	Soil, Plant, Water, Nutrient Relationships
103	Management of Saline & Sodic Soils & Salinity
104	Alternative Uses of Land
105	Conservation & Efficienient Use of Water
106	Efficient Drainage & Irrigation Systems & Facilities
107	Watershed Protection & Management
108	Economic & Legal Problems in Management of Water & Watersheds
109	Adaptation to Weather & Weather Modification
110	Appraisal of Forest & Range Resources
111	Biology, Culture & Management of Forest & Timber-Related Crops
112	Improvement of Range Resources
113	Remote Sensing
114	Research on Management of Research
	GOAL II: PROTECT FORESTS, CROPS & LIVESTOCK FROM INSECTS, DISEASES & OTHER HAZARDS
X--201	Control of Insects Affecting Forests
X--202	Control of Diseases, Parasites & Nematodes Affecting Forests
X--203	Prevention & Control of Forest & Range Fires
204	Control of Insects, Mites, Slugs, & Snails on Fruit & Vegetable Crops
205	Control of Diseases & Nematodes of Fruit & Vegetable Crops
206	Control of Weeds & Other Hazards to Fruit & Vegetable Crops
207	Control of Insects, Mites, Snails, & Slugs Affecting Field Crops & Range
208	Control of Diseases & Nematodes of Field Crops & Range
209	Control of Weeds & Other Hazards of Field Crops & Range
210	Control of Insects & External Parasites Affecting Livestock, Poultry, & Other Animals
211	Control of Diseases of Livestock, Poultry & Other Animals
212	Control of Internal Parasites of Livestock, Poultry, & Other Animals
213	Protect Livestock, Poultry, & Other Animals from Toxic Chemicals, Poisonous Plants, & Other Hazards
214	Protection of Plants, Animals, & Man from Harmful Effects of Pollution

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1/ RPA's preceded by (X--) were excluded in their entirety by reason of their exclusive involvement with non-food commodities or activities or by selective exclusion from other commodities and activities. All but 22 of the remaining 85 RPA's were also partially excluded.

EXHIBIT 4. (Continued)

RPA	TITLE
	GOAL III. PRODUCE AN ADEQUATE SUPPLY OF FARM & FOREST PRODUCTS AT DECREASING REAL PRODUCTION COSTS
X--301	Genetics & Breeding of Forest Trees
X--302	New & Improved Forest Engineering Systems
X--303	Economics of Timber Production
304	Improvement of Biological Efficiency of Fruit & Vegetable Crops
305	Mechanization of Fruit & Vegetable Crop Production
306	Production Management Systems for Fruits & Vegetables
307	Improvement of Biological Efficiency of Field Crops
308	Mechanization of Production of Field Crops
309	Production Management Systems for Field Crops
310	Reproductive Performance of Livestock, Poultry, & Other Animals
311	Improvement of Biological Efficiency in Production of Livestock, Poultry, & Other Animals
312	Environmental Stress in Production of Livestock, Poultry, & Other Animals
313	Production Management Systems for Livestock, Poultry, & Other Animals
314	Bees & Other Pollinating Insects
315	Improvement of Structures, Facilities & General Purpose Farm Supplies & Equipment
316	Farm Business Management
317	Mechanization & Structures Used in Production of Livestock, Poultry, & Other Animals
318	Non-Commodity-Oriented Biological Technology & Biometry
	GOAL IV: EXPAND THE DEMAND FOR FARM & FOREST PRODUCTS BY DEVELOPING NEW & IMPROVED PRODUCTS & PROCESSES & ENHANCING PRODUCT QUALITY
X--401	New & Improved Forest Products
402	Production of Fruit & Vegetable Crops with Improved Acceptability
403	New & Improved Fruit & Vegetable Products & Byproducts
404	Quality Maintenance in Storing & Marketing Fruits & Vegetables
405	Production of Field Crops with Improved Acceptability
406	New & Improved Food Products from Field Crops
407	New & Improved Feed, Textile, & Industrial Products from Field Crops
408	Quality Maintenance in Storing & Marketing Field Crops
409	Production of Animal Products with Improved Acceptability
410	New & Improved Meat, Milk, Eggs, & Other Animal Food Products
411	New & Improved Non-Food Animal Products
412	Quality Maintenance in Marketing Animal Products

EXHIBIT 4. (Continued)

RPA	TITLE
	GOAL V: IMPROVE EFFICIENCY IN THE MARKETING SYSTEM
501	Improvement of Grades & Standards--Crops & Animal Products
X--502	Development of Markets & Efficient Marketing of Timber & Related Products
503	Efficiency in Marketing Agricultural Products & Production Inputs*
506	Supply, Demand & Price Analysis--Crop & Animal Products
507	Competitive Interrelationships in Agriculture
508	Development of Domestic Markets for Farm Products
509	Performance of Marketing Systems
510	Group Action & Market Power
511	Improvement in Agricultural Statistics
X--512	Improvement of Grades & Standards of Forest Products
513	Supply, Demand & Price Analysis--Forest Products
	GOAL VI: EXPAND EXPORT MARKETS & ASSIST DEVELOPING NATIONS
601	Foreign Market Development
602	Evaluation of Foreign Food Aid Programs
603	Technical Assistance to Developing Countries
604	Product Development & Marketing for Foreign Markets
	GOAL VII: PROTECT CONSUMER HEALTH & IMPROVE NUTRITION & WELL-BEING OF THE AMERICAN PEOPLE
701	Insure Food Products Free of Toxic Contaminants Including Residues from Agricultural & Other Sources
702	Protect Food & Feed Supplies from Harmful Microorganisms & Naturally Occurring Toxins
703	Food Choices, Habits, & Consumption
704	Home & Commercial Food Service
X--705	Selection & Care of Clothing & Household Textiles
706	Control of Insect Pests of Man & His Belongings
X--707	Prevent Transmission of Animal Diseases & Parasites to Man
708	Human Nutrition
709	Reduction of Hazards to Health & Safety

*This RPA incorporates research formerly included under RPA's 503, 504, and 505.

EXHIBIT 4. (Continued)

RPA	TITLE
	GOAL VIII: ASSIST RURAL AMERICANS TO IMPROVE THEIR LEVEL OF LIVING
801	Housing
X--802	Individual & Family Decision Making & Resource Use & Family Functioning
X--803	Causes of Poverty Among Rural People
804	Improvement of Economic Potential of Rural People
805	Communication & Education Processes
806	Individual & Family Adjustment to Change
807	Structural Changes in Agriculture
808	Government Programs to Balance Farm Output & Market Demand
	GOAL IX: PROMOTE COMMUNITY IMPROVEMENT INCLUDING DEVELOPMENT OF BEAUTY, RECREATION, ENVIRONMENT, ECONOMIC OPPORTUNITY, & PUBLIC SERVICES
901	Alleviation of Soil, Water & Air Pollution & Disposal of Wastes
902	Outdoor Recreation
903	Multiple Use Potential of Forest Land & Evaluation of Forestry Programs
904	Fish & Other Marine Life, Fur-Bearing Animals & Other Wildlife
905	Trees to Enhance Rural & Urban Environment
906	Culture & Protection of Ornamentals & Turf
907	Improved Income Opportunities in Rural Communities
908	Improvement of Rural Community Institutions & Services
	GOAL X: ENHANCE THE NATIONAL CAPACITY TO DEVELOP & DISSEMINATE NEW KNOWLEDGE & NEW OR IMPROVED METHODOLOGY FOR SOLVING CURRENT PROBLEMS OR NEW PROBLEMS THAT WILL ARISE IN THE FUTURE

EXHIBIT 5.

CRIS FORMS FOR DESCRIBING RESEARCH PROJECTS. (INFORMATION FROM AN ARS COOPERATIVE AGREEMENT WITH A STATE AGRICULTURAL EXPERIMENT STATION.)

U S DEPARTMENT OF AGRICULTURE
RESEARCH WORK UNIT/PROJECT DESCRIPTION - RESEARCH RESUME
U S DEPT OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS

DATE (Day, Month, Year): 09 APR 76

1 ACCESSION NO: 043211
2 AGENCY IDENTIFICATION NO: 2 ARS | 3 1313 | 4 1002
5 WORK UNIT/PROJECT NO: 1090-10021-004-A
6 STATUS: NEW [X]A | ESTAB-DED [ ]B | REVISED [ ]C | DISCON TINUED [ ]D | TERM INATED [ ]E | PENDING [ ]F

7 TITLE: The Effect of Systemic Insecticides on the Soil-borne Pathogens of Potato and the Resultant Disease Incidence

8 PERFORMING ORGANIZATION: Department of Botany and Plant Pathology, University of Maine
CITY: Orono | STATE/COUNTRY: Maine | ZIP CODE: 04473 | CONG DISTRICT: 02

12 RESPONSIBLE ORGANIZATION: USDA-ARS-Northeastern Region SCD S7G4
U.S. Plant, Soil, & Nutrition Laboratory, Cornell University, Tower Road
CITY: Ithaca | 14 STATE: New York | ZIP CODE: 14853

9 INVESTIGATOR NAME(S) (Last name first): Gelfinas, Douglas | SOC SEC NUMBER(S): 028-30-2143
(Frank, James A.) | 028-30-2143
16 RESPONSIBLE INDIVIDUAL (Last name first): Wilson, J. B.
10 RESEARCH LOCATION ON CAMPUS: YES [X]A NO [ ]B

PROJECT TYPE
17 FOR USDA USE: COOPERATIVE [ ]A | GRANT [ ]B | COOP AGRE [X]C | IN-HOUSE [ ]D
18 FOR STATE USE: HATCH [ ]H | MAINTENANCE BIENNIS [ ]M | STATE [ ]S

CONTRACTS, GRANTS AND COOPERATIVE AGREEMENTS
19 2 GRANT AUTHORITY: PL 89-106 [ ]A | PL 89-20 [ ]B
19 3 DISP OF EQUIP: NONE PURCHASED [ ]I | REVERTS TO GOVT [ ]J | RETAINED [ ]S
19 4 CONTR/GR/AGRT NO: 12-14-1001-836
PL 480 FUNDS: [ ]A [ ]K
19 5 FACE AMOUNT: 4,500
20 FY: 76
21 TOTAL SMY: 0.5

23 FACILITIES: FEDERALLY OWNED [ ]A | FEDERALLY LEASED [ ]B | COMMERCIAL [ ]C | STATE [X]D | OTHER [ ]E
22 REGIONAL PROJECT NO:

24 OBJECTIVES 25 APPROACH (Use space provided for "24 OBJECTIVES", then indicate "25 APPROACH")

To determine the effect soil applications of systemic insecticides on the soil-borne potato pathogens and the incidence of soil-borne disease.

25 APPROACH: In both field and greenhouse tests, systemic insecticides will be applied to soils prior to planting potatoes. Insecticides will represent the various chemical classes available for present use on potatoes. Verticillium albo-atrum, Rhizoctonia solani, and Streptomyces scabies populations will be monitored throughout the experimental period. Disease severity will be recorded as necessary in comparison to controls.

27 KEYWORDS
Soil-pathogens Rhizoctonia-solani (potatoes) Streptomyces-scabies (potatoes) Verticillium-albo-atrum (potatoes) systemic-insecticides disease-incidence

RECOMMENDED	APPROVED — Check applicable one	CONCURRED
SIGNATURE: R. Lewis	SIGNATURE: K M Porter	SIGNATURE:
TITLE: ACTING AD, NAA	TITLE: Actg Dep Adm-Rsrch	TITLE:
DATE: 06 MAY 76	DATE: 18 May 76	DATE:
	Acting August E. Kehr, Assist. Admin.	
PROJECT RE OR ENTRY	PEER AND CLEARED BY ALL INTERESTED AGENCIES — 0 CRIS	
SIGNATURE:	TITLE:	DATE: MAY 18 1976

CONCURRED (S & E S) [ ] / APPROVED (CSRS) [ ]

28 AWARD DATE (Mo. Dy. Yr.)	29 START DATE (Mo. Dy. Yr.)	30 TERMINATION (Mo. Dy. Yr.)	DURATION (Yrs.)
23 06 76	23 06 76	30 06 77	12

FORM AD 410 (6-72)

U S DEPARTMENT OF AGRICULTURE
RESEARCH WORK UNIT/PROJECT DESCRIPTION - CLASSIFICATION OF RESEARCH
U S DEPT OF AGRICULTURE STATE AGRICULTURAL EXPERIMENT STATIONS AND OTHER INSTITUTIONS

DATE: 09 APR 76

1 ACCESSION NO: 043211
2 AGENCY IDENTIFICATION NO: 2 ARS | 3 1313 | 4 1002
5 WORK UNIT/PROJECT NO: 1090-10021-004-A
31 HATCH MARKING: YES [ ]A NO [ ]B

32 BASIC RESEARCH: 30 %
33 APPLIED RESEARCH: 70 %
34 DEVELOPMENT EFFORT: %

CLASSIFICATION BY ACTIVITY, COMMODITY, SCIENCE, PROBLEM AREA AND PPDS CODES

	ACTIVITY (1) CODE	ACTIVITY (2) %	COMMODITY (3) CODE	COMMODITY (4) %	SCIENCE (5) CODE	SCIENCE (6) %	PROBLEM AREA (7) CODE	PPDS (8) CODE	PERCENT OF (2) X (4) X (6) (9) %
41	4600	100	1100	100	1112	35	205		35
42	4600	100	1100	100	0714	35	205		35
43	4600	100	1100	100	1312	20	205		20
44	4600	100	1100	100	0112	10	205		10
45									
46									
47									
48									
49									
50									
51									
52									

SPECIAL CLASSIFICATION

SPECIAL CATEGORY	%	SPECIAL COMMODITY	%	PESTICIDE CODE	%	WATER RESOURCE 2 CODE	%
55 Pollution related	100	62		68 Target I		73	
56 Health and medical related		63		69 Target II		74	
57 Tobacco health related		64		70 Target III	100	75	
58 Weather related		65		71 Target IV		76	
59 Nuclear radiation related		66		72 Target V			
60 Poverty area related		67					
61 Natural hazards related							

78 COOPERATORS: USDA [X]A | OTHER FEDERAL AGENCY(S) [ ]B | INDUSTRY AND OTHER [ ]C | STATE [X]D
COOPERATING DEPARTMENT WITHIN STATE INSTITUTION (1st)
79 REPORTING DEPARTMENT WITHIN STATE INSTITUTION
80
81
82

FORM AD 410 (6-72)

x x x x x x x

EXHIBIT 6.

LIST OF NON-FOOD EXCLUSIONS USED IN DEVELOPING THE INVENTORY OF FOOD AND FOOD-RELATED RESEARCH.

PART 1. -- NON-FOOD EXCLUSIONS

GENERAL EXCLUSIONS

COMMODITY/RESOURCE/TECHNOLOGY CATEGORIES:

- 0500 RECREATION RESOURCES
- 0600 TREES, FORESTS
- 1300 ORNAMENTALS AND TURF
- 2100 COTTON
- 2600 TOBACCO
- 3700 CLOTHING AND TEXTILES
- 4300 COMMUNITIES, AREAS, AND REGIONS, ORGANIZATIONS, ETC.

ACTIVITIES (WITHIN ALL OTHER COMMODITIES):

- 5600 PHYSICAL AND CHEMICAL PROPERTIES OF NON-FOOD PRODUCTS
- 5700 DEVELOPING NEW AND IMPROVED NON-FOOD PRODUCTS AND PROCESSES

OTHER SELECTED CLASSIFICATION CRITERIA AND PERCENTAGES[1] EXCLUDED AS "NONFOOD:"

COMMODITY/RESOURCE	ACTIVITY		REA	ARS %	ERS %	FCS %	FS %	SRS %	STATES %
0001	4001		001						20
0100 SOIL AND LAND	4100	RESOURCE DESC & I	101						20
0100 SOIL AND LAND	4100	RESOURCE DESC & I	104		40				40
0100 SOIL AND LAND	4300	RESOURCE DEVEL CO	107	20			20		20
0100 SOIL AND LAND	4400	EVAL OF ALT USES	104		60				40
0100 SOIL AND LAND	4400	EVAL OF ALT USES	603						100
0100 SOIL AND LAND	4830	POLLUTANTS	901	15	15				15
0100 SOIL AND LAND	4840	CLIMATIC EXTREMES	107	20					
0100 SOIL AND LAND	4880	ALLERGINS. TOXINS	901						15
0100 SOIL AND LAND	4890	RADIATION NOISE A	901	15					15
0100 SOIL AND LAND	7300	EVAL OF PUBLIC PR	104		50				40
0100 SOIL AND LAND	7300	EVAL OF PUBLIC PR	901		15				15
0200 WATER	4100	RESOURCE DESC & I	104		25				25
0200 WATER	4100	RESOURCE DESC & I	105						10
0200 WATER	4100	RESOURCE DESC & I	108						50
0200 WATER	4300	RESOURCE DEVEL CO	103	10					10
0200 WATER	4300	RESOURCE DEVEL CO	105	10					10
0200 WATER	4300	RESOURCE DEVEL CO	106	5					5
0200 WATER	4300	RESOURCE DEVEL CO	107	50			50		50
0200 WATER	4300	RESOURCE DEVEL CO	108						50
0200 WATER	4400	EVAL OF ALT USES	104		25				25
0200 WATER	4400	EVAL OF ALT USES	108		50				50
0200 WATER	4700	WEEDS	105	10					10
0200 WATER	4830	POLLUTANTS	901	40			40		40
0200 WATER	4840	CLIMATIC EXTREMES	105						10
0200 WATER	4880	ALLERGINS. TOXINS	901						40
0200 WATER	4890	RADIATION NOISE A	901						40
0200 WATER	7300	EVAL OF PUBLIC PR	104		25				25
0200 WATER	7300	EVAL OF PUBLIC PR	108		50				50
0200 WATER	7300	EVAL OF PUBLIC PR	901		40				40
0300 WATERSHEDS & RIV	4100	RESOURCE DESC & I	108						80
0300 WATERSHEDS & RIV	4300	RESOURCE DEVEL CO	107	30			30		30
0300 WATERSHEDS & RIV	4300	RESOURCE DEVEL CO	108						80
0300 WATERSHEDS & RIV	4300	RESOURCE DEVEL CO	903						100
0300 WATERSHEDS & RIV	4400	EVAL OF ALT USES	104		30				
0300 WATERSHEDS & RIV	4400	EVAL OF ALT USES	108		80				80
0300 WATERSHEDS & RIV	4400	EVAL OF ALT USES	903				100		100
0300 WATERSHEDS & RIV	4820	FLOOD	107	30			30		30
0300 WATERSHEDS & RIV	4830	POLLUTANTS	901	80			80		80
0300 WATERSHEDS & RIV	4840	CLIMATIC EXTREMES	107	30					
0300 WATERSHEDS & RIV	5200	MECHANIZATION	302						100
0300 WATERSHEDS & RIV	7300	EVAL OF PUBLIC PR	108		80				80
0300 WATERSHEDS & RIV	7300	EVAL OF PUBLIC PR	901						80
0400 AIR AND CLIMATE	4830	POLLUTANTS	901	40			40		40
0400 AIR AND CLIMATE	7300	EVAL OF PUBLIC PR	901						40

SEE FOOTNOTES AT END OF TABLE

EXHIBIT 6. -- (Continued)

EXHIBIT 6. (Continued)

COMMODITY/RESOURCE	ACTIVITY	REA[2]	ARS %	ERS %	FCS %	FS %	SRS %	STATES %
0700 RANGE	4100 RESOURCE DESC & I	11D				65		65
0700 RANGE	4300 RESOURCE DEVEL CO	107				33		
0700 RANGE	4300 RESOURCE DEVEL CO	112	20			20		20
0700 RANGE	4400 EVAL OF ALT USES	903				1DD		100
0700 RANGE	4810 FIRE	203				100		100
0800 FISH SHELLFISH G	4100 RESOURCE DESC & I	904						75
0800 FISH SHELLFISH G	4300 RESOURCE DEVEL CO	903						80
0800 FISH SHELLFISH G	4300 RESOURCE DEVEL CO	904				75		75
0800 FISH SHELLFISH G	4400 EVAL OF ALT USES	903				80		80
0800 FISH SHELLFISH G	4400 EVAL OF ALT USES	904						75
0800 FISH SHELLFISH G	7300 EVAL OF PUBLIC PR	903						75
0800 FISH SHELLFISH G	7300 EVAL OF PUBLIC PR	904						75
0800 FISH SHELLFISH G	7500 DEVEL OF TECHNOLO	214						50
3600 GEN PURPOSE FARM	4830 POLLUTANTS	901						36
3600 GEN PURPOSE FARM	4860 RODENTS AND OTHER	904						100
3600 GEN PURPOSE FARM	4880 ALLERGINS. TOXINS	7D9						100
3600 GEN PURPOSE FARM	4890 RADIATION NOISE A	709						100
3600 GEN PURPOSE FARM	5200 MECHANIZATION	904						100
3600 GEN PURPOSE FARM	5900 IMPROVING MARKETI	503						50
3600 GEN PURPOSE FARM	5900 IMPROVING MARKETI	509						50
3600 GEN PURPOSE FARM	6000 ANALYZE SUPPLY. P	506		10				
3600 GEN PURPOSE FARM	6000 ANALYZE SUPPLY. P	507						20
3600 GEN PURPOSE FARM	730D EVAL OF PUBLIC PR	901		36				36
3900 HOUSING EQUIPMEN	4100 RESOURCE DESC & I	904						100
3900 HOUSING EQUIPMEN	430D RESOURCE DEVEL CO	1D7						50
3900 HOUSING EQUIPMEN	4500 INSECTS	401						100
3900 HOUSING EQUIPMEN	4810 FIRE	709						100
3900 HOUSING EQUIPMEN	4830 POLLUTANTS	901	10D					100
3900 HOUSING EQUIPMEN	486D RODENTS AND OTHER	8D1						100
3900 HOUSING EQUIPMEN	489C RADIATION NOISE A	7D9						100
3900 HOUSING EQUIPMEN	5200 MECHANIZATION	315	100					100
3900 HOUSING EQUIPMEN	5200 MECHANIZATION	904						100
3900 HOUSING EQUIPMEN	6100 DEVELOPING DOMEST	801				10D		
3900 HOUSING EQUIPMEN	6400 QUALITY OF FAMILY	401						100
3900 HOUSING EQUIPMEN	6400 QUALITY OF FAMILY	801	10D			1DD		100
3900 HOUSING EQUIPMEN	6500 DESCRIPTION INV &	801						100
3900 HOUSING EQUIPMEN	6700 SOCIAL WELL BEING	801						100
3900 HOUSING EQUIPMEN	7300 EVAL OF PUBLIC PR	901		10D				100
4000 PEOPLE AS WORKER	4500 INSECTS	706	1DD					100
4000 PEOPLE AS WORKER	4600 DISEASES PARASITE	707	100					100
4000 PEOPLE AS WORKER	4810 FIRE	709						100
4000 PEOPLE AS WORKER	4830 POLLUTANTS	214	100					100
4000 PEOPLE AS WORKER	4880 ALLERGINS. TOXINS	709						100
4000 PEOPLE AS WORKER	4890 RADIATION NOISE A	709	1DD					100
4000 PEOPLE AS WORKER	4900 BIOLOGY OF PLANTS	706						100
4000 PEOPLE AS WORKER	4900 BIOLOGY OF PLANTS	707						100
4000 PEOPLE AS WORKER	6400 QUALITY OF FAMILY	801						100
4000 PEOPLE AS WORKER	6400 QUALITY OF FAMILY	802	1DD					100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	603						100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	801						100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	803						100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	804						100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	806						100
4000 PEOPLE AS WORKER	6500 DESCRIPTION INV &	907						100
4000 PEOPLE AS WORKER	6600 ECONOMIC DEVELOPM	603						100
4000 PEOPLE AS WORKER	6600 ECONOMIC DEVELOPM	803						100
4000 PEOPLE AS WORKER	6600 ECONOMIC DEVELOPM	804						100
4000 PEOPLE AS WORKER	6600 ECONOMIC DEVELOPM	806						100
4000 PEOPLE AS WORKER	6600 ECONOMIC DEVELOPM	907						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	603	100					100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	801						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	802						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	803						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	804						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	805						50
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	806						100
4000 PEOPLE AS WORKER	6700 SOCIAL WELL BEING	907						100
4000 PEOPLE AS WORKER	7300 EVAL OF PUBLIC PR	907						100
4000 PEOPLE AS WORKER	7500 DEVEL OF TECHNOLO	214						100
4100 THE FAMILY AND I	4600 DISEASES PARASITE	707						100
4100 THE FAMILY AND I	4830 POLLUTANTS	801						100
4100 THE FAMILY AND I	6100 DEVELOPING DOMEST	801						100
4100 THE FAMILY AND I	6400 QUALITY OF FAMILY	801		100				100
4100 THE FAMILY AND I	6400 QUALITY OF FAMILY	802	100					100
4100 THE FAMILY AND I	6500 DESCRIPTION INV &	601		100				
4100 THE FAMILY AND I	6500 DESCRIPTION INV &	803						100
4100 THE FAMILY AND I	6500 DESCRIPTION INV &	604						100
4100 THE FAMILY AND I	6500 DESCRIPTION INV &	805						100
4100 THE FAMILY AND I	6500 DESCRIPTION INV &	907						100
4100 THE FAMILY AND I	6600 ECONOMIC DEVELOPM	803						100
4100 THE FAMILY AND I	6600 ECONOMIC DEVELOPM	804						100
4100 THE FAMILY AND I	6600 ECONOMIC DEVELOPM	805						100
4100 THE FAMILY AND I	6600 ECONOMIC DEVELOPM	907						100
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	801						100
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	802						100
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	803						100
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	804						100
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	805						50
4100 THE FAMILY AND I	6700 SOCIAL WELL BEING	806						100

EXHIBIT 6. -- (Continued)

EXHIBIT 6. (Continued)

COMMODITY/RESOURCE	ACTIVITY	RPA[2]	ARS %	ERS %	FCS %	FS %	SRS %	STATES %
4200 THE FARM AS A BU	5300 MANAGEMENT	316						10
4200 THE FARM AS A BU	6500 DESCRIPTION INV &	807		100				100
4200 THE FARM AS A BU	6600 ECONOMIC DEVELOPM	807		10				10
4200 THE FARM AS A BU	7300 EVAL OF PUBLIC PR	316						10
4200 THE FARM AS A BU	7300 EVAL OF PUBLIC PR	808		10				10
4400 AGR EC OF US & S	6000 ANALYZE SUPPLY, P	505						10
4400 AGR EC OF US & S	6200 FOREIGN TRADE	601						20
4400 AGR EC OF US & S	6500 DESCRIPTION INV &	807		100				100
4400 AGR EC OF US & S	6600 ECONOMIC DEVELOPM	807		10				10
4400 AGR EC OF US & S	7200 INFOR RETRIEVAL	807		100				
4400 AGR EC OF US & S	7300 EVAL OF PUBLIC PR	601						20
4400 AGR EC OF US & S	7300 EVAL OF PUBLIC PR	808		10				10
4500 AGR EC OF FORGN	6200 FOREIGN TRADE	601		20				20
4600 FARMER COOPERATI	5900 IMPRCVING MARKETI	503						5
4600 FARMER COOPERATI	5900 IMPROVING MARKETI	509						5
4600 FARMER COOPERATI	5900 IMPROVING MARKETI	510			5			5
4600 FARMER COOPERATI	6500 DESCRIPTION INV &	807						5
4600 FARMER COOPERATI	6600 ECONOMIC DEVELOPM	807						5
4600 FARMER COOPERATI	7300 EVAL OF PUBLIC PR	509						5
4600 FARMER COOPERATI	7300 EVAL OF PUBLIC PR	510						5
4700 MARKET PROCESS &	5900 IMPROVING MARKETI	503	10					10
4700 MARKET PROCESS &	5900 IMPRCVING MARKETI	509	10					10
4700 MARKET PROCESS &	5900 IMPROVING MARKETI	510			10			10
4700 MARKET PROCESS &	6100 DEVELOPING DOMEST	508		10				
4700 MARKET PROCESS &	6500 DESCRIPTION INV &	807						10
4700 MARKET PROCESS &	6600 ECONOMIC DEVELOPM	807						10
4700 MARKET PROCESS &	7300 EVAL OF PUBLIC PR	509						10
4700 MARKET PROCESS &	7300 EVAL OF PUBLIC PR	510						10
4800 MARKETING SYSTEM	5300 MANAGEMENT	807						10
4800 MARKETING SYSTEM	5900 IMPROVING MARKETI	503	10					10
4800 MARKETING SYSTEM	5900 IMPRCVING MARKETI	509		10				10
4800 MARKETING SYSTEM	5900 IMPROVING MARKETI	510						10
4800 MARKETING SYSTEM	6500 DESCRIPTION INV &	807						10
4800 MARKETING SYSTEM	6600 ECONOMIC DEVELOPM	807						10
4800 MARKETING SYSTEM	7300 EVAL OF PUBLIC PR	509						10
4800 MARKETING SYSTEM	7300 EVAL OF PUBLIC PR	510						10
6700 PLANTS	4500 INSECTS	207	10					10
6700 PLANTS	4600 DISEASES PARASITE	208	10					10
6700 PLANTS	4830 POLLUTANTS	214	20					20
6700 PLANTS	4860 RODENTS AND OTHER	209						10
6700 PLANTS	4900 BIOLOGY OF PLANTS	307	10					10
6700 PLANTS	5000 IMPROVING BIOLOGI	307	10					10
6700 PLANTS	5200 MECHANIZATION	308						10
6700 PLANTS	5200 MECHANIZATION	309						10
6700 PLANTS	5300 MANAGEMENT	309						10
6700 PLANTS	7500 DEVEL OF TECHNOLO	214						20
6900 RESEARCH ON RESE	7100 IMPROV RESEARCH A	114						30
6900 RESEARCH ON RESE	7200 INFOR RETRIEVAL	114						30
7000 RES EQUIP & TECH	4100 RESOURCE DESC & I	113	20				20	20
7000 RES EQUIP & TECH	5000 IMPROVING BIOLOGI	111						100
7000 RES EQUIP & TECH	7500 DEVEL OF TECHNOLO	110				100		100
7000 RES EQUIP & TECH	7500 DEVEL OF TECHNOLO	113	20			20		20
9900 OTHER UNALLOTTED	9900	990	20	100				20

1/ Percentages shown were determined on an agency by agency basis. blanks indicate no involvement of a particular agency in the listed classification categories in FY 1974. The same non-food exclusions were applied to FY 1975 data.

2/ See Exhibit 4 for titles of research problem areas (RPA's).

x x x x x x x

EXHIBIT 7.

ROLE, OBJECTIVES, AND CAPABILITIES OF THE PUBLICLY-SUPPORTED AGRICULTURAL RESEARCH SYSTEM 1/

The System

Agricultural research involves the discovery, combination, interpretation, synthesis, and application of knowledge essential to the continuing efficient production and marketing and the effective use of food, fiber, forest resources, clothing, and shelter under changing economic, social, and political conditions in the United States and elsewhere in the world. It deals with the protection of producers and consumers and with the wise use of natural resources. It involves the elucidation of a broad spectrum of public policy alternatives and consequences for people on and off farms. It includes research designed to add to basic knowledge that will advance all of these aims. The total spectrum of agricultural research is most vividly and completely defined in the Manual of Classification of Agricultural and Forestry Research (Revision II). 2/

There are large publicly-supported and private agricultural research programs in this country. This research is conducted with funds from several sources, including the U. S. Congress, state legislatures, producer organizations, foundations, and corporate industries.

Publicly-supported USDA and State agricultural research now includes four major research agencies in USDA, 56 State Agricultural Experiment Stations, 19 schools of forestry, 16 land-grant colleges of 1890, and the Tuskegee Institute. These organizations conduct about 95 percent of the nation's publicly-supported agricultural research.

The publicly-supported agricultural research system with its many parts is geographically decentralized. These characteristics give the system built-in responsiveness to a wide range of national, regional, and local problems.

USDA and State Agricultural Experiment Stations historically have pooled ideas, manpower, and facilities in coordinated attacks on problems common to several states or to a region.

1/ This section relates to all aspects of agricultural research, including food.

2/ Manual of Classification of Agricultural and Forestry Research, (Revision II), "Classification Used in Current Research Information System, Science and Education in Agriculture;" U. S. Dept. of Agriculture; Washington, D.C. January 1973.

EXHIBIT 7 -- (Continued)

Because many of the problems are of this broad nature, investigations carried out by USDA and the State Agricultural Experiment Stations are interrelated and intermeshed.

Agricultural research involves the continuing detailed and specific attention of scientists with a full-time equivalent of 10,732 scientist-years (FY 1975). Agricultural scientists work on many aspects of each of the major fields of knowledge--physical, biological, economic, social, and political. Agricultural research, especially the State Agricultural Experiment Station (SAES) component, is associated with other science and with education and training of scientists via subject matter discipline groups.

Legislative Authorization

The publicly-supported agricultural research system has a long history of development and service to the U.S. and to the rest of the world. Its accomplishments are many. The landmark legislative acts that provided for the beginning of federal support of agricultural research through the publicly-supported agricultural research system include the following:

Organic Act of May 1862
Established the U.S. Department of Agriculture with an agricultural research function.

Organic Act of July 1862
Donated public lands for state and territorial colleges of agriculture and mechanical arts.

Hatch Act of 1887
Established State Agricultural Experiment Stations (amended in 1955).

Organic Act of 1890
Allowed a portion of proceeds from sales of public lands to be used for more complete endowment and maintenance of colleges of agriculture and mechanic arts (funds to be used for instruction only).

McSweeney-McNary Act of 1928
Authorized the USDA to investigate forestry and forest products, to maintain favorable water flow, to protect land and timber, and to establish policies for forest land and forest products.

McIntire-Stennis Act of 1962
Authorized the Secretary of Agriculture to cooperate with states on forestry research.

Special Research Grants Act of 1966
Authorized the Secretary of Agriculture to fund colleges, universities, organizations, or other research institutions including State Agricultural Experiment Stations.

Title V. Rural Development Act of 1972
This Act was designed to improve development of rural communities.

The Organic Act of May 1862 included the following language:

> "...there is hereby established at the seat of Government of the United States a Department of Agriculture, the general designs and duties of which shall be to acquire and to diffuse among the people of the United States useful information on subjects connected with agriculture in the most general and comprehensive sense of that word..."

Other language made it clear that such information might be gathered through "...practical and scientific experiments..."

The Hatch Act, as amended, states:

> "It shall be the object and duty of the State agricultural experiment stations through the expenditure of the appropriations herein authorized to conduct original and other researches...bearing directly on and contributing to the establishment and maintenance of a permanent and effective agricultural industry of the United States, including researches basic to the problems of agriculture in its broadest aspects, and such investigations as have for their purpose the development and improvement of rural home and rural life and the maximum contribution by agriculture to the welfare of the consumer..."

The broad authorizing legislation listed above and an array of specific additional research authorities provided by the Congress over the years have made the definition of agriculture comprehensive indeed. The Act of 1927 creating the National Arboretum, the Soil Conservation Act of 1935, and Act of 1966 authorizing tropical research, the Agriculture and Consumer Protection Act of 1973, and the Forest and Rangelands Renewable Resources Planning Act of 1974 are but a few examples of this process.

EXHIBIT 7 -- (Continued)

Organizational Characteristics and Geographic Distribution

NASULGC

There is one State Agricultural Experiment Station in each of 48 states, two each in two states, and one each in Puerto Rico, Guam, the Virgin Islands, and the District of Columbia--for a total of 56. In general, the experiment stations are associated with a land-grant college or university and, thus, are associated with and have access to the total university expertise and facilities. The experiment stations are also closely coordinated with the Cooperative Extension Service. These associations with a university are also characteristic of the 17 "1890" institutions and the 19 Schools of Forestry. These 92 institutions had 6,419 scientist-years of research effort in FY 1975.

Each autonomous institution has a long history of close coordination through regional and national associations and participation in Regional Research Fund programs.

The typical agricultural experiment station is one of three branches of a college of agriculture in the state land-grant university. It involves a wide array of biological, physical, and social science disciplines. The other two branches of the college are concerned with resident instruction and cooperative extension. The experiment station, the primary agricultural research organization of its state, is supported by funds from several sources--state funds, federal funds through the USDA and granting agencies, and grants from private industry and foundations.

These research-extension-graduate instruction inter-relationships are a fundamental strength of the nation's agricultural research system.

Perhaps the most important characteristic of the state experiment station system is that it is responsive to local needs. This is accomplished by centering research emphasis, not at a few locations, but throughout the nation. Distribution of formula and special grant funds to each unit in the system has fostered scientific capabilities responsive to local and regional problems. Each experiment station director is committed to building excellence and to maintaining conditions essential to productive research. Research proposals and progress are evaluated within each institution. Benefits to local people weigh heavily in these evaluations.

EXHIBIT 7

USDA Organizations Conducting or Supporting Research

ARS

The Agricultural Research Service (ARS) conducts basic, applied, and developmental research on the production of plants and animals; on the use and improvement of soil, water, and air resources; and on the processing, marketing and use of agricultural products. Research is focused on national and regional problems of continuing significance.

Research is conducted by 2,900 scientists and engineers trained in a wide range of biological and physical science disciplines. The research is located at 145 laboratories in the United States, Puerto Rico, the Virgin Islands, and in several foreign countries. Included are five large regional laboratories with capabilities and facilities for conducting research ranging from basic chemical reactions to the design and construction of pilot plants. Many locations are at state universities where ARS scientists have ready access to library and computer facilities and to scientists and engineers of other disciplines.

CSRS

The Cooperative State Research Service (CSRS) provides the administrative mechanism of the U.S. Department of Agriculture for providing financial support to the State Agricultural Experiment Stations, cooperating forestry schools, the land-grant colleges of 1890, and the Tuskegee Institute. The CSRS maintains a headquarters staff to administer funds and provide a national focus for the separate stations and schools.

ERS

The Economic Research Service (ERS) conducts social and economic research on issues that affect all facets of the food and fiber sector, use of our nation's resources, economic growth, and quality of life in rural America including: estimates of current resource use and availability, output and distribution of food and fiber, forecasts and projections of resource use and output, adjustments and performance in the food and fiber sector and rural America, and the impacts on all segments of society. Research is focused on national and regional problems of continuing significance.

Some 425 social scientists--primarily economists--are engaged in research. Most of these scientists are located in Washington, D.C.; but small social science units are located

EXHIBIT 7 -- (Continued)

in each of 35 states, mainly at land-grant colleges and universities. Much of the research is carried on in cooperation with State Agricultural Experiment Stations. Also, some staff members are located at ARS regional laboratories conducting interdisciplinary research.

FS

The Forest Service (FS) has the research mission to develop knowledge and technologies required to enhance the value--to people--of U.S. forests and related lands. The program is conducted through eight Regional Experiment Stations, the Forest Products Laboratory, and the Institute of Tropical Forestry. These centers supervise more than 3,700 studies in support of 325 research projects at 80 locations in 42 states and Puerto Rico. The research program reaches into every major terrestrial ecosystem and life zone.

The FS problem-solving capability is vested in a staff of 940 scientists and engineers conducting research on timber management; watershed management; wildlife, range, and fish habitat; recreation; fire and atmospheric sciences; insects and diseases; forest products and engineering; forest survey; and forest economics and marketing.

Effective Planning and Coordination

There are four essential elements to effective research planning and coordination:

1. A comprehensive system of research classification.

2. Adoption and use of the classification system in managing research.

3. A research information system which provides a complete inventory of current research programs and appropriate retrieval of the information in useful formats.

4. A planning and coordination mechanism at national, regional, and state levels.

The publicly-supported agricultural research system utilizes all four of these elements. All of the units comprising the system participate in the total process. The total research planning framework is depicted in figure 3.

EXHIBIT 7 -- (Continued)

Figure 3. The Regional and National Agricultural Research Planning System--Organization and Research Classification

Research Program Groups (RPG) and Research Programs (RP)

RPG 1.00 Natural Resources
- RP 1.01 Soil & land use
- 1.02 Water & watersheds
- 1.03 Recreation
- 1.04 Environmental quality
- 1.05 Weather modification
- 1.06 Fish and wildlife
- 1.07 Remote sensing

RPG 2.00 Forest Resources
- RP 2.01 Inventory
- 2.02 Timber management
- 2.03 Forest protection
- 2.04 Harvesting, processing, marketing
- 2.05 Watersheds and pollution
- 2.06 Range, fish & wildlife
- 2.07 Recreation
- 2.08 Alternative uses of land
- 2.09 Technical assistance

RPG 3.00 Crops
- RP 3.01 Corn
- 3.02 Grain sorghum
- 3.03 Wheat
- 3.04 Grain
- 3.05 Rice
- 3.06 Soybeans
- 3.07 Peanuts
- 3.08 Sugar
- 3.09 Forage, range, pasture

RPG 3.00 Crops—Continued
- RP 3.10 Cotton
- 3.11 Tobacco
- 3.12 New Crops
- 3.13 Fruit
- 3.14 Vegetable crops
- 3.15 Plant enhancement, environment
- 3.16 Bees

RPG 4.00 Animals
- RP 4.01 Beef
- 4.02 Dairy
- 4.03 Poultry
- 4.04 Sheep
- 4.05 Swine
- 4.06 Other animals
- 4.07 Aquatic foods

RPG 5.00 People, communities
- RP 5.01 Food & nutrition
- 5.02 Food safety
- 5.03 Rural development
- 5.04 Insects-man

RPG 6.00 Competition and trade
- RP 6.01 Farm price income
- 6.02 Foreign agriculture
- 6.03 Marketing & competition

RPG 7.00 General Resources
- RP 7.01 General resource technology

The 47 research programs (RP's) in figure 3 broadly define the scope of agricultural research. The conduct of basic and applied research in these subject areas involves many biological, physical, and social science disciplines. The crop, livestock, and other animal RP's involve research on production, processing, marketing, and use.